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Kinco

HMI **Touch Screen**

Kinco HMI Catalog

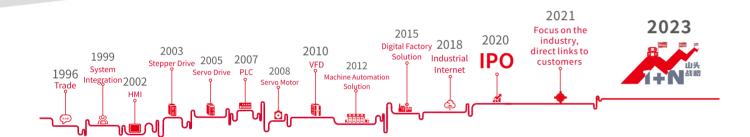
- GREEN Series
- FUTURE Series
- MASS Series
- Industry Specialized **Application Series**



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About us





Kinco Automation (Shanghai) Co., Ltd. has always focused on the R&D, production and sales of core components for industrial automation equipment control and hardware/software products for IIoT/Internet as well as related technical services. We provide equipment automation control, digital factory and industrial Internet solutions for customers. Our company is one of the few providers of Machine Automation and Intelligent Factory Intellectualization Solutions in China.

Our core components for industrial automation equipment control mainly include industrial HMI, servo system, step system, programmable logic controller and frequency converter, and are widely used in robot, logistics equipment, packaging equipment, food equipment, clothing equipment, medical equipment, environmental protection equipment, rail transit equipment, new energy equipment and other automation equipment industries. Our hardware/software products for IIoT/Internet mainly include on-site intelligent terminal, gateway, data acquisition unit, SaaS and data center, and are mainly applied to digital factory construction and production-marketing collaborative manufacturing in food and other industries. With intelligent manufacturing as the strategic development direction, we develop the core technologies for industrial automation and factory digitization ceaselessly and unremittingly. With focus on the deep link between the industry and customers, we provide innovative, high-quality and low-cost automation/digitalization solutions. After years of continuous R&D and innovation, we have had control, drive, human-machine interaction, communication, mechanical-electrical integrated design and other automation technologies, MES, WMS and other information technologies as well as equipment data acquisition, M-IoT, industrial SaaS and other innovative technologies. We focus on the industry and continuously create value for customers. With the help of our innovative automation and intellectualization solutions, customers have effectively improved their production and management efficiency as well as product quality and production intellectualization level. In particular, we lead innovation in robot, intelligent logistics, medical imaging equipment, new energy equipment, machine tool accessory, digital food factory and other fields.

We take "Let Chinese manufacturing become the top of the world" as the mission and "Intelligent makes better life" as the vision, uphold the value of

"Grow Conscientiously, Innovate ingeniously", and adhere to the innovative thinking and down-to-earth attitude when developing products and carrying on businesses, insist on the ideal, and except that human creativity can make the world more beautiful.

CONTENTS

GREEN Series Description

03 Series Description

Enhanced Type

7 GH043/GH043E

08 GH043U2/GH043EU2

09 GH070/GH070E

0 GH104E

11 GH150E

Standard Type

12 G070/G070E/G070E-CAN

13 G100/G100E

14 G121E

15 G121HE

Economy Type

16 GL043/GL043E

17 GL070/GL070E

18 GL100/GL100E

19 GL104E

20 GL150E

IoT Type

21 GT070HE/GT070HE-4G/GT070HE-WiFi

22 GT070E2

23 GT100E/GT100E-4G/GT100E-WiFi

24 GT100E1

25 GT100E2/GT100E2-WiFi /GT100E2-4G/GT100E2-CAN

26 GT121E

27 GT150E2

28 GW01/GW01-4G/GW01-WiFi

FUTURE Series Description

29 Series Description

FUTURE Series

80 F070E

31 F080E

32 F104E/F104E-CAN

F121E

F121EW

5 **F150E**

36 F150EW

37 xF-SiHMI01

MASS Series

38 M2070H/M2070HE

M2100/M2100E

Industry Specialized Application Series

40 Rear-installation without front shell: GR Series: GR043/GR070E/GR100E

41 Economy Handheld Terminal: RT070

2 Handheld Terminal: SZ7G/SZ7GS/SZ7GE/SZ7GES

44 Waterproof Dedicated: F10N

44 Waterproof Dedicated. F10N

Waterproof Dedicated: G100E-LRF

Engineering Machinery: CZ6

Wide temperature HMI: G100E2-WiFi-PR01

Features of Dtools (configuration software)

Teleservice

— A value adding IoT function for OEMs

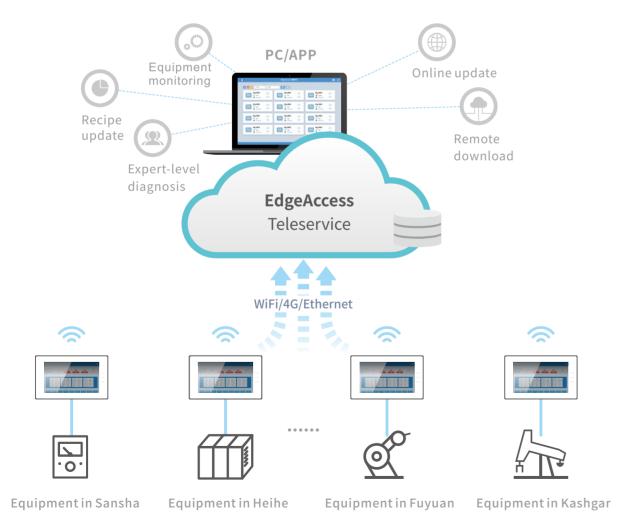
Teleservice based on Kinco Edgeacess (IoT platform) is tailored for OEMs.

Advantages:

Easy to set up, low-cost, safe and reliable, covering multi-scenario service needs of OEMs.

Applications:

- · Remote desktop: Remotely monitor the machine in real time;
- Remote download: Remotely download HMI and PLC programs;
- Remote expert-level diagnosis: Debug HMI and PLC programs online;
- · Online update: Remotely implant new recipe.



Easy docking with Kinco M-IoT

— Help you open a new era of industrial Internet

HMI Cloud Solutions help devices make connections for efficient and convenient information interaction between devices and cloud, devices and devices as well as devices and people.

- View their operating status in real time
- Receive their fault alarms in real time
- Acquire data to assist with data analysis, product optimization and pre-maintenance
- Cost saving and no extra investment cost



^{*}All models with Ethernet ports in this Document support this function.

With focus on industrial HMIs for 21 years, we consistently provide high-quality products

The GREEN series products, as a new generation of industrial HMIs launched by Kinco, adopt new architecture design and obtain rigorous craft support, to become the paradigms of high-quality HMIs.

The GREEN series HMIs adopt the mainstream processors in the market. Not only does it ensure the products' life cycle, but it also greatly improves the products' performance.



Powerful hardware and software More comprehensive upgrades

Structure

New structure & exquisite body

Kernel

Kernel version upgrades More stable performance

Material

Higher hardness and intensity Higher temperature resistance

CPU

Industrial-grade CPU Main frequency: 800MHz

Color

16.77M true color (except for a few models)

Memory

The memory DDR3 is upgraded to 128M

Kinco's new generation of industrial HMI GREEN Series

The GREEN series products use the most advantageous ARM Cortex-A7 architecture industrial-grade processors, which ensure that HMIs efficiently work.

Kinco's advanced smart factory provides reliable guarantee for high-quality production in long term.

The GREEN series products fully help improve the quality of high-end manufacturing equipment in China.

GREEN series contains multiple subseries:



Enhanced Type
All 4.3"~15" models

- Up to 4 serial ports (excluding 4.3"), Ethernet
- Standard configuration: USB master port and slave port
- With built-in isolated power supply, some models support serial port isolation
- Three-proofing coating of mainboard



- 3 serial ports, Ethernet
- Standard configuration: USB master port and slave port
- Built-in isolated power supply
- Three-proofing coating of mainboard



- 2 serial ports, Ethernet
- Standard configuration: USB master port and slave port (excluding 4.3")



- Support WIFI, 4G and Ethernet

Enhanced Type

GH Series

GH043/GH043E

- Preferred models for subway, high-speed railway and other rail transit
- Three-proofing coating of mainboard to effectively deal with complex environment
- Built-in isolated power supply to enhance reliability
- · Classic shape, hidden serial port outlet



Model/Specification	GH043	GH043E	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size	4	I.3"TFT	
Display area	95.04	(W)x53.86(H)	
Resolution	480	*272 pixels	
Display color	16.77	M true color	<u> </u>
Display angle of view	70/70/50/70 (left/right/up/down)	145.2
Contrast ratio		500:1	
Backlight		LED	154
Brightness	3	00cd/m²	134
Backlight life	More tha	an 30,000 hours	GREEN SERIES
Touch panel	4-wire precision resistance network (surface hardness: 4H)		
Processor	•	C 32Bit 800MHz	89
Storage		mory + 128 MB DDR.3 Memory	GPU O
RTC		Built-in	Kinco
Expandable storage	1 USB Host	1 USB Host + 1 SD Card	1 []
Print port	USB host/serial port	USB host/serial port	
Ethernet	None	LAN0:10/100Mbps	[→ 59.8 →
Program download		USB Slave (Type B)/U disk/Ethernet port	5
i Togram downtoad	obbotave (Type b// o disk	OSD Stave (Type D)/O disky Edictrict port	
Communication port		32/RS485/RS422 M2:RS232	80,2
Serial port isolation	None		
Electrical specifications			
Input power supply	DC10.8V~DC2		
Power consumption	3.5\		
Allowable loss of power	<3ms		<u> </u>
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC 1 minute		
Structure specifications			
PCB coating (Yes/No)		Yes	
Shell material	Engine	eering plastic	
Shape size	154×	89×60mm	
Cutout size	146	5×81 mm	
Weight		0.4kg	
Environmental specifications			
Operating ambient temperature	-2	.0∼55°C	
Operating ambient humidity	10~90% RH	(noncondensing)	
Storage ambient temperature		.5∼60°C	
Storage ambient humidity		(noncondensing)	146
Sine vibration test		² , X, Y, Z directions/hour	
Cooling mode		al air cooling	
Product certification			8,1 Cutout size
Panel protection grade	IP65 com	pliant (4208-93)	
CE authentication		4:2007+A1:2011, EN61000-6-2:2005)	
Software			
Configuration software	Kinco DToo	ls V4.1 and above	
Januarion John Marc	111100 5100		

GH Series

GH043U2/GH043EU2

- Preferred models for subway, high-speed railway and other rail transit
- Three-proofing coating of mainboard to effectively deal with complex environment
- Built-in isolated power supply to enhance reliability

Model/Specification	GH043U2	GH043EU2	Mechanical Dimensions (Unit: m
Performance specifications			
Display size	4	.3"TFT	
Display area	95.04(W)x53.86(H)	
Resolution	480*	272 pixels	
Display color		M true color	
Display angle of view	70/70/50/70 (left/right/up/down)	
Contrast ratio		500:1	
Backlight		LED	154
Brightness	300cd/m ²		
Backlight life		n 30,000 hours	GREEN SERIES
Touch panel	•	e network (surface hardness: 4H)	
Processor	ARM RISC	C 32Bit 800MHz	68
Storage	256 MB NAND Flash Mer	mory + 128 MB DDR.3 Memory	
RTC	E	Built-in	Kinco
Expandable storage	2 USB Host	2 USB Host+1 SD Card	
Print port	USB host*2/serial port	USB host*2/serial port	
Ethernet	None	LAN0:10/100Mbps	145.2
Program download	USB Slave (Type B)/U disk	USB Slave (Type B)/U disk/Ethernet port	74.75
Communication wout	COM0:RS2	32/RS485/RS422	
Communication port	COM2:RS232		
Serial port isolation		None	
Electrical specifications			
Input power supply	DC10.8V~DC2	8V, built-in isolated	59.8
Power consumption	3.5\	V@DC24V	
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 V	AC 1 minute	
Structure specifications			
PCB coating (Yes/No)		Yes	
Shell material	_	ering plastic	
Shape size		89×60mm	
Cutout size		5×81 mm	
Weight		0.4kg	
Environmental specifications			
Operating ambient temperature		0∼55°C	
Operating ambient humidity		(noncondensing)	
Storage ambient temperature		5∼60°C	146
Storage ambient humidity		(noncondensing)	
Sine vibration test		² , X, Y, Z directions/hour	
Cooling mode	Natura	al air cooling	Cutout size
			4
Product certification			
Product certification Panel protection grade CE authentication		oliant (4208-93) 4:2007+A1:2011, EN61000-6-2:2005)	

Kinco DTools V4.1 and above

Note: GH043 is replacement of MT4210T; GH043E is replacement of MT4220TE.

07 80

Configuration software

Enhanced Type



GH070/GH070E

- Suitable for high reliability expected situations
- Three-proofing coating + multiple isolation, more reliable
- Up to four serial ports + SD card expansion
- Artistically ultra-narrow border



Model/Specification	GH070	GH070E	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size		7" TFT	106.2
Display area	154.08	s(W)x85.92(H)	
Resolution	800	*480 pixels	
Display color		M true color	_ 192.8 _
Display angle of view	70/70/50/70 ((left/right/up/down)	
Contrast ratio		500:1	999.9
Backlight		LED	206.9
Brightness	4	00cd/m²	GREEN SERIES
Backlight life	More than 30,000 hours		
Touch panel	4-wire precision resistance network (surface hardness: 4H)		4
Processor	ARM RIS	C 32Bit 800MHz	4.
Storage	256 MB NAND Flash Me	mory + 128 MB DDR.3 Memory	
RTC		Built-in	Kinco
Expandable storage	1 USB Host	1 USB Host + 1 SD Card	
Print port	USB host/serial port	USB host/serial port	
Ethernet	None	LAN0:10/100Mbps	41 -
Program download	USB Slave (Type B)/U disk	USB Slave (Type B)/U disk/Ethernet port	
Communication port	COM1:RS2	32/RS485/RS422 32/RS485/RS422 32/RS485/RS422	
Serial port isolation	None	Built-in	
Electrical specifications			
Input power supply	DC12V~DC28V, built-in isolated		u u
Power consumption	5W@DC24V		
Allowable loss of power		<3ms	
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC 1 minute		106.2
Structure specifications			
PCB coating (Yes/No)		Yes	
Shell material	Engine	eering plastic	9
Shape size	207×	125×41mm	
Cutout size	194	×113mm	
Weight		0.6kg	
Environmental specifications			
Operating ambient temperature	-1	.0∼55°C	
Operating ambient humidity	10~90% RH	(noncondensing)	
Storage ambient temperature	-2	.0∼60°C	194
Storage ambient humidity	10~90% RH (noncondensing)		
Sine vibration test	10~500Hz, 30m/S², X, Y, Z directions/hour		1
Cooling mode		al air cooling	
Product certification			⊖ Cutout size
Panel protection grade	IP65 com	pliant (4208-93)	
CE authentication		4:2007+A1:2011, EN61000-6-2:2005)	
Software			
Configuration software	Kinco DToo	ls V4.1 and above	

Note: GH070 is the replacement model of MT4404T and MT4424T; The GH070E is a replacement for MT4404TE and MT4424TE.



GH104E

- Suitable for high reliability expected situations
- Three-proofing coating + multiple isolation, more reliable
- Up to four serial ports + SD card expansion
- Industrial size



	,	
Model/Specification	GH104E	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	10.4" TFT	
Display area	211.20(W)x158.40(H)	310
Resolution	800*600 pixels	4
Display color	16.77M true color	
Display angle of view	70/70/60/70 (left/right/up/down)	
Contrast ratio	500:1	
Backlight	LED	
Brightness	350cd/m ²	
Backlight life	More than 30,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	ARM RISC 32Bit 800MHz	
Storage	256 MB NAND Flash Memory + 128 MB DDR.3 Memory	
RTC	Built-in	4 4
Expandable storage	1 USB Host+1 SD Card	
Print port	USB host/serial port	
Ethernet	LAN0:10/100Mbps	
Program download	USB Slave (Type B)/U disk	[P_************************************
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232, COM3:RS485	
Serial port isolation	Built-in	
Electrical specifications		
Input power supply	DC10.8V~DC28V, built-in isolated	
Power consumption	8W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		Cutout size 6
PCB coating (Yes/No)	Yes	Cutout size 75
Shell material	Engineering plastic	
Shape size	310×230×56mm	
Cutout size	299×219mm	299
Weight	1.715kg	
Environmental specifications		
Operating ambient temperature	-10∼55°C	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20∼60°C	
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~500Hz, 30m/S ² , X, Y, Z directions/hour	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V4.1 and above	

Note: GH104E is replacement of MT4523TE and MT4523T.

Standard Type

GH Series

GH150E

- Suitable for high reliability expected situations
- Three-proofing coating + multiple isolation, more reliable
- Up to four serial ports + SD card expansion
- Compact body, elegant appearance



Model/Specification	GH150E	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	15" TFT	
Display area	304.13(W)x228.10(H)	269
Resolution	1,024*768 pixels	
Display color	65,536 color	382
Display angle of view	80/80/80/80 (left/right/up/down)	
Contrast ratio	800:1	
Backlight	LED	398
Brightness	420cd/m ²	GREAN SERVES
Backlight life	50,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	ARM RISC 32Bit 800MHz	
Storage	256 MB NAND Flash Memory + 128 MB DDR.3 Memory	-
RTC	Built-in	Kinco
Expandable storage	1 USB Host+1 SD Card	
Print port	USB host/serial port	_
Ethernet	LAN0:10/100Mbps	30 7 (including sealing ring)
Program download	USB Slave (Micro USB)/U disk/Ethernet port	- Vocaming III g/
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422	
P. C.	COM2:RS232, COM3:RS485	
Serial port isolation	Built-in	
Electrical specifications		<u>↓</u>
Input power supply	DC10.8V~DC28V, built-in isolated	
Power consumption	16W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	229
Structure specifications		
PCB coating (Yes/No)	Yes	
Shell material	Engineering plastic	
Shape size	398×298×47mm	
Cutout size	383×283mm	
Weight	3kg	Cutout size
Environmental specifications	7 0	
Operating ambient temperature	-10∼55°C	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60°C	
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~500Hz, 30m/S², X, Y, Z directions/hour	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V4.1 and above	

Note: GH150E is replacement of MT4720TE.



G070/G070E/G070E-CAN

- Three-proofing coating + built-in isolated power supply to enhance reliability
- High brightness LCD provides a better display effect
- Support CAN bus
- Three serial ports for meeting diverse needs



Three serial ports for meetin	g diverse needs			
Model/Specification	G070	G070E	G070E-CAN	Mechanical Dimensions (Unit: mm)
Performance specifications				
Display size		7"TFT		
Display area		154.08(W)x85.92(H)		
Resolution		800*480 pixels		
Display color		16.77M true color		
Display angle of view	70/70/	60/70 (left/right/up,	/down)	189.7
Contrast ratio		500:1	,,	204
Backlight		LED		GREEN SERIES
Brightness		400cd/m ²		
Backlight life	М	ore than 30,000 hou	ırs	o
Touch panel			rface hardness: 4H)	0 == [
Processor		RM RISC 32Bit 800MI		
Storage		ash Memory + 128 M		Kinco
RTC		Built-in		
Expandable storage		1 USB Host		
Print port		USB host/serial port	t	
Ethernet	None	LAN0:10/100Mbps	LAN0:10/100Mbps	
Bus port	None	None	1*CANopen	37.2
Program download	USB Slave (Micro USB)/U disk		3)/U disk/Ethernet port	-35 - 6.5 (including sealing ring)
Communication port	COM	10:RS232/RS485/RS4 COM1:RS485/RS422 COM2:RS232		0 0 0 0 0 0 0 0 0 0
Serial port isolation	None	Bui	lt-in	
Electrical specifications				
Input power supply	DC12	/~DC28V, built-in isc	olated	##
Power consumption		3.8W@DC24V		
Allowable loss of power		<3ms		0 0 0
Insulation resistance	(Over 50MΩ@500V DO	C	
Hi-pot test		500 VAC 1 minute		000 000
Structure specifications				NAME OF THE OWN PARTY.
PCB coating (Yes/No)	Yes	Yes	Yes	
Shell material		Engineering plastic		
Shape size		204×150×37mm		
Cutout size		192×138mm		192
Weight		0.5kg		No.
Environmental specifications				
Operating ambient temperature		0∼50°C		Cutout size
Operating ambient humidity	10~9	0% RH (nonconden	sing)	
Storage ambient temperature		-20∼60°C		
Storage ambient humidity		0% RH (nonconden		<u> </u>
Sine vibration test	10~500Hz,	30m/S ² , X, Y, Z direc	tions/hour	
Cooling mode		Natural air cooling		
Product certification				
Panel protection grade		5 compliant (4208-9		
Authentication	CE compliant (EN61	000-6-4:2007+A1:2011 UL compliant	1, EN61000-6-2:2005)	
Software				
Configuration software	Kinco	DTools V4.1 and ab	ove	

Standard Type



G100/G100E

- Preferred model in food industry
- Three-proofing coating + built-in isolated power supply to enhance reliability
- Three serial ports for meeting diverse needs
- The high resolution 1,024*600 meets diverse needs



Model/Specification	G100	G100E	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size	10.	1" TFT	215
Display area	222.72(V	V)x125.28(H)	
Resolution	1,024*	600 pixels	
Display color	16.77M	true color	297.5
Display angle of view	75/75/60/60 (le	eft/right/up/down)	-
Contrast ratio	5	500:1	310.6
Backlight		LED	
Brightness	350	Ocd/m²	ĵ <u> </u>
Backlight life	50,00	00 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)		
Processor	ARM RISC 32Bit 800MHz		8
Storage	256 MB NAND Flash Mem	ory + 128 MB DDR.3 Memory	
RTC		uilt-in	Minoo
Expandable storage	1 U:	SB Host	
Print port	USB hos	t/serial port	
Ethernet	None	LAN0:10/100Mbps	
Program download	U disk	U disk/Ethernet port	215
Communication port	COM1:R	2/RS485/RS422 S485/RS422 2:RS232	54.9
Electrical specifications	DC10V DC00V		
Input power supply	DC12V~DC28V, built-in isolated 6W@DC24V		217.5
Power consumption	ū		217.5
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VA	C 1 minute	
Structure specifications	Vee	Voc	
PCB coating (Yes/No)	Yes	Yes	
Shell material	_	ring plastic	
Shape size		30X55mm	
Cutout size		(219mm	
Weight	1	.8kg	
Environmental specifications	10	5500	
Operating ambient temperature		~55°C	
Operating ambient humidity		noncondensing)	
Storage ambient temperature		~60°C	299
Storage ambient humidity		noncondensing)	
Sine vibration test		X, Y, Z directions/hour	†
Cooling mode	Natural	air cooling	
Product certification	1005	1: 1/4200 02)	Cutout size
Panel protection grade		liant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:	2007+A1:2011, EN61000-6-2:2005)	
Software	== .	V4.4	<u> </u>
Configuration software	Kinco DTools	V4.1 and above	

Note: G100-CAN is replacement of MT4512T and MT4522T; G100E is replacement of MT4512TE and MT4522TE.



G121E

- Advanced platform: NXP industrial-grade CPU, supply for more than 10 years
- Industrial display: 12.1", 4:3, provide bigger display area, highlights, and clarity
- Rich storage: Support external SD card and U disk, expandable up to 256GB
- Perfect protection: Built-in serial port isolation and isolated power supply to enhance reliability



enhance reliability		Kinco
Model/Specification	G121E	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	12.1" TFT	205.6
Display area	246(W)x184.5(H)	
Resolution	800*600 pixels	
Display color	65,536 color	336.7
Display angle of view	80/80/65/75 (left/right/up/down)	
Contrast ratio	800:1	350
Backlight	LED	
Brightness	400cd/m ²	
Backlight life	50,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	560
Processor	ARM RISC 32Bit 800MHz	
Storage	256 MB NAND Flash Memory + 128 MB DDR.3 Memory	
RTC	Built-in	Kinco
Expandable storage	1 USB Host+1 SD Card	
Print port	USB host/serial port	(including 8,5 sealing ring)
Ethernet	LAN0:10/100Mbps	
Program download	USB Slave (Micro USB)/U disk/Ethernet port	
Communication port	COM0:RS232/RS485/RS422 COM1:RS485/RS422 COM2:RS232	246.7
Electrical specifications		
Input power supply	DC12V~DC28V, built-in isolated	
Power consumption	10.9W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	205.6
Structure specifications		
PCB coating (Yes/No)	Yes	
Shell material	Engineering plastic	Kinco State Manufacture Manufa
Shape size	350X260X54mm	
Cutout size	340X250mm	
Weight	2.2kg	Tool 25/4 Name and composed out a
Environmental specifications	10 5500	Kinco
Operating ambient temperature	-10~55°C	340
Operating ambient humidity	10~90% RH (noncondensing) -20∼60°C	
Storage ambient temperature Storage ambient humidity		4
Sine vibration test	10~90% RH (noncondensing)	
Cooling mode	10~500Hz, 30m/S², X, Y, Z directions/hour	
	Natural air cooling	င်း Cutout size
Product certification Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software	CL compliant (ENG1000-6-4.2007+A1:2011, ENG1000-6-2:2005)	V
Configuration software	Kinco DTools V4.1 and above	
Comiguration Sultware	MILLO DIOUIS V4.1 allu above	

Note: G121E is replacement of MT4620TE and MT5620T.

Economy Type

G Series

G121HE

- •12.1" HD display, 16.77M true color
- With powerful script function, support edge computing
- With built-in IoT function, support teleservice
- Kinco DTools, a new generation of Kinco configuration software, with powerful function, simple and easy



Model/Specification	del/Specification G121HE	
Performance specifications		
Display size	12.1" TFT	
Display area	246(W)x184.5(H)	205.6
Resolution	1,024*768 pixels	203.0
Display color	16.77M true color	
Display angle of view	85/85/85/85 (left/right/up/down)	336.7
Contrast ratio	900:1	
Backlight	LED	350
Brightness	400cd/m ²	+
Backlight life	More than 30,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	ARM RISC 32Bit 800MHz	780
Storage	256 MB NAND Flash Memory +256 MB DDR.3 Memory	
RTC	Built-in	
Expandable storage	1 USB Host+1 SD Card	Kinco
Print port	USB host/serial port	_53_
Ethernet	LAN0:10/100Mbps	8.5
Program download	USB Slave (Micro USB)/U disk/Ethernet port	ises sea
8	COM0:RS232/RS485/RS422	
Communication port	COM1:RS485/RS422	
The state of the s	COM2:RS232	746. Mill
Electrical specifications		
Input power supply	DC12V~DC28V, built-in isolated	
Power consumption	10.8W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	205.6
Structure specifications		
PCB coating (Yes/No)	Yes	King -
Shell material	Engineering plastic	<u> </u>
Shape size	350X260X54mm	
Cutout size	339×249mm	
Weight	2.2kg	Kinco
Environmental specifications		The second second
Operating ambient temperature	-10∼55°C	339
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60°C	Ī
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~500Hz, 30m/S ² , X, Y, Z directions/hour	Cutout size
Cooling mode	Natural air cooling	
Product certification	Hatarat all cooling	
Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software	CE compliant (Enotodo o 4.2001 A1.2011, Endidod-0-2.2003)	
Configuration software	Kinco DTools V3.5.3 and above	
Comiguration software	Mileo Dioots v3.3.3 and above	



GL Series

GL043/GL043E

- Suitable for small space occasions
- Beautiful appearance, ultra-thin body
- High cost-effective



Model/Specification	GL043	GL043E	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size		4.3" TFT	
Display area	95.04	4(W)x53.86(H)	
Resolution	48	0*272 pixels	117.5
Display color	16.7	7M true color	
Display angle of view	70/70/50/70	(left/right/up/down)	
Contrast ratio		500:1	132
Backlight		LED	
Brightness	,	450cd/m ²	GREEN SERIES
Backlight life	More th	nan 30,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)		102
Processor		SC 32Bit 800MHz	
Storage	256 MB NAND Flash M	emory + 128 MB DDR.3 Memory	Kinco
RTC		Built-in	
Expandable storage		None	
Print port		Serial port	33 5.7(including
Ethernet	None	LAN0:10/100Mbps	sealing ring)
Program download	USB Slave (Micro USB)	USB Slave (Micro USB)/Ethernet port	
Communication port	COM0:RS232/RS485/RS422 COM2:RS232		
Electrical specifications			
Input power supply	DC10V~DC28V		
Power consumption	2V	V@DC24V	
Allowable loss of power		<3ms	
Insulation resistance	Over 50	MΩ@500V DC	
Hi-pot test		AC 1 minute	
Structure specifications			
PCB coating (Yes/No)		None	
Shell material	Engin	neering plastic	
Shape size		×102×33mm	
Cutout size	1.1	19×93mm	
Weight		0.21kg	60000000
Environmental specifications		5	Po DOSAV
Operating ambient temperature		0~50°C	
Operating ambient humidity	10~90% R	H (noncondensing)	
Storage ambient temperature		20~60°C	110
Storage ambient humidity	10~90% RH (noncondensing)		119
Sine vibration test		S ² , X, Y, Z directions/hour	
Cooling mode		ral air cooling	
Product certification	Natu		පු Cutout size
Panel protection grade	IP65 con	npliant (4208-93)	
CE authentication	IP65 compliant (4208-93) CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)		
Software	oz compliant (Enozoo o		
Configuration software	Kinco DTo	ols V4.1 and above	

Note: GL043 is replacement of MT4230T; GL043E is replacement of MT4230TE.

Economy Type



GL070/GL070E

- Preferred model for general use
- A non-hollow mask is more effective against oil pollution
- Beautiful appearance, ultra-thin body
- Practical and more affordable



Model/Specification	GL070	GL070E	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size		7" TFT	
Display area	154.0	8(W)x85.92(H)	
Resolution		24*600 pixels	
Display color	16.7	7M true color	189./
Display angle of view	85/85/85/85	(left/right/up/down)	204
Contrast ratio		500:1	GREEN SERIES
Backlight		LED	
Brightness		450cd/m ²	190
Backlight life	More than 30,000 hours		
Touch panel	·	ce network (surface hardness: 4H)	
Processor		SC 32Bit 800MHz	Kinco
Storage	256 MB NAND Flash Mo	emory + 128 MB DDR.3 Memory	
RTC		Built-in	
Expandable storage		USB Host	
Print port		nost/serial port	37.2
Ethernet	None	LAN0:10/100Mbps	-35
Program download	USB Slave (Micro USB)/U disk	USB Slave (Micro USB)/U disk/Ethernet port	sealing ring)
Communication port		232/RS485/RS422 DM2:RS232	
Electrical specifications			
Input power supply	DC10V~DC28V		
Power consumption	3.6W@24VDC		==
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC 1 minute		
Structure specifications			
PCB coating (Yes/No)		None	never di di sono sono bost dest
Shell material	_	eering plastic	
Shape size		<150×37mm	
Cutout size	19	2×138mm	192
Weight		0.5kg	
Environmental specifications			\^\(\rangle\)
Operating ambient temperature		0~50°C	
Operating ambient humidity		H (noncondensing)	Cutout size
Storage ambient temperature		20~60°C	
Storage ambient humidity	10~90% RH (noncondensing)		
Sine vibration test	10~500Hz, 30m/S ² , X, Y, Z directions/hour		
Cooling mode	Natu	ral air cooling	
Product certification	IDGE	(4200 02)	
Panel protection grade		npliant (4208-93)	
CE authentication	CE compliant (EN61000-6-	4:2007+A1:2011, EN61000-6-2:2005)	
Software	Vince DT-	als V4.1 and above	
Configuration software	Kinco DTo	ols V4.1 and above	

Note: GL070 is replacement of MT4434T; GL070E is replacement of MT4434TE-CAN.



GL100/GL100E

- Preferred models with approx. 10" screen for general use
- A non-hollow mask is more effective against oil pollution
- Beautiful appearance, ultra-thin body
- Practical and more affordable



Model/Specification	GL100	GL100E	Mechanical Dimensions (Unit: mm)	
Performance specifications				
Display size	1	.0.1" TFT	271.0	
Display area	222.72	(W)x125.28(H)		
Resolution	1,02	4*600 pixels	GREEN SERVES	
Display color	16.77	7M true color		
Display angle of view	85/85/85/85	(left/right/up/down)	o,	
Contrast ratio		500:1	191.0	
Backlight		LED		
Brightness	300cd/m ²		Kinco	
Backlight life	More tha	an 30,000 hours		
Touch panel	4-wire precision resistance	e network (surface hardness: 4H)	36.0 6.5 (including	
Processor	ARM RIS	SC 32Bit 800MHz	sealing ring)	
Storage	256 MB NAND Flash Me	emory + 128 MB DDR.3 Memory		
RTC		Built-in		
Expandable storage		USB Host	7.11	
Print port	USB h	ost/serial port		
Ethernet	None	LAN0:10/100Mbps		
Program download	USB Slave (Micro USB)/U disk	USB Slave (Micro USB)/U disk/Ethernet port		
Communication port	COM0:RS232/RS485/RS422 COM2:RS232		4	
Electrical specifications			0 0 0 0	
Input power supply	DC10V~DC28V		257.7	
Power consumption	6W@24VDC			
Allowable loss of power	<3ms		0 0 0 0	
Insulation resistance		MΩ@500V DC		
Hi-pot test	500 VA	AC 1 minute		
Structure specifications				
PCB coating (Yes/No)		None	[[[] [] [] [] [] [] [] [] []	
Shell material		eering plastic		
Shape size		191×36mm		
Cutout size	260)×179mm		
Weight		0.9kg		
Environmental specifications		0- 50%		
Operating ambient temperature Operating ambient humidity		0∼50°C	260.0 mm	
Storage ambient temperature		I (noncondensing)	1	
Storage ambient humidity		I (noncondensing)		
Sine vibration test		S ² , X, Y, Z directions/hour	E E	
Cooling mode		al air cooling	E Cutout size	
Product certification	Natur	at all cooting	7	
Panel protection grade	IP65 com	pliant (4208-93)		
CE authentication		4:2007+A1:2011, EN61000-6-2:2005)		
Software				
Configuration software	Kinco DToo	ols V4.1 and above		

Note: GL100 is replacement of ET100 and MT4532T; GL100E is replacement of MT4532TE.

Economy Type



GL104E

- Built-in isolated power supply to enhance reliability
- Industrial size 4:3, possessing more visual coordination
- •Firm and graceful structure
- Practical and more affordable



Model/Specification	GL104E	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	10.4" TFT	
Display area	211.20(W)x158.40(H)	215
Resolution	800*600 pixels	
Display color	16.77M true color	297.5
Display angle of view	70/70/60/70 (left/right/up/down)	
Contrast ratio	500:1	310.6
Backlight	LED	OVIN SIZES
Brightness	350cd/m ²	
Backlight life	More than 30,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	53
Processor	ARM RISC 32Bit 800MHz	
Storage	256 MB NAND Flash Memory + 128 MB DDR.3 Memory	Kinco
RTC	Built-in	74604-600
Expandable storage	1 USB Host	557 7.4 (including sealing ring)
Print port	USB host/serial port	ing Lini
Ethernet	LANO:10/100Mbps	
Program download	USB Slave (Type B)/U disk/Ethernet port	
1 Togram downtodd	oob stave (Type by a disty Ethernet port	
Communication port	COM0:RS232/RS485/RS422	
communication port	COM2:RS232	
Electrical specifications		
Input power supply	DC10.8V~DC28V, built-in isolated	
Power consumption	8W@DC24V	215
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	ال ال
Structure specifications	000 1110 2 1111111000	f
PCB coating (Yes/No)	None	
Shell material	Engineering plastic	
Shape size	310×230×56mm	
Cutout size	299×219mm	
Weight	1.715kg	
Environmental specifications	1.113/16	700
Operating ambient temperature	0~50°C	
Operating ambient humidity	10~90% RH (noncondensing)	†
Storage ambient temperature	-20~60°C	
Storage ambient humidity		Cutout size
Sine vibration test	10~90% RH (noncondensing) 10~500Hz, 30m/S², X, Y, Z directions/hour	
Cooling mode		
	Natural air cooling	
Product certification	IDCE compliant (4200.02)	
Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software	Vince DTle VO 5 0	
Configuration software	Kinco DTools V3.5.3 and above	



GL150E

- Preferred model with 15" screen
- Built-in isolated power supply to enhance reliability
- Industrial size 4:3, possessing more visual coordination
- •Firm and graceful structure



•Firm and graceful structure		Kinco
Madal/Constitution	014505	
Model/Specification	GL150E	Mechanical Dimensions (Unit: mm)
Performance specifications	15" TET	
Display size	15" TFT	269
Display area	304.13(W)x228.10(H)	
Resolution	1,024*768 pixels	382
Display color	65,536 color	
Display angle of view	80/80/80/80 (left/right/up/down)	
Contrast ratio	800:1	398
Backlight	LED	
Brightness	420cd/m ²	
Backlight life	50,000 hours	m
Touch panel	4-wire precision resistance network (surface hardness: 4H)	588
Processor	ARM RISC 32Bit 800MHz	
Storage	256 MB NAND Flash Memory + 128 MB DDR.3 Memory	Kisco
RTC	Built-in	
Expandable storage	1 USB Host	
Print port	USB host/serial port	<u>47</u>
Ethernet	LAN0:10/100Mbps	- 30 - 7 (including sealing ring)
Program download	USB Slave (Micro USB)/U disk/Ethernet port	
Communication port	COM0:RS232/RS485/RS422 COM2:RS232	883
Electrical specifications		
Input power supply	DC10.8V~DC28V, built-in isolated	'
Power consumption	1+W@24V DC	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		229
PCB coating (Yes/No)	None	
Shell material	Engineering plastic	383
Shape size	398×298×47mm	300
Cutout size	383×283mm	
Weight	3kg	
Environmental specifications		Cutout size
Operating ambient temperature	-10~55°C	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60°C	
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~500Hz, 30m/S², X, Y, Z directions/hour	
Cooling mode	Natural air cooling	
Product certification	waturat all cooting	
	IP65 compliant (4208-93)	
Panel protection grade CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software	CE COMPRIANT (ENGLUCO-0-4:2007+A1:2011, ENGLUCO-6-2:2005)	
	Kinco DTools V3.5.3 and above	
Configuration software	NITICO DIOOIS V3.5.3 and above	

IoT Type

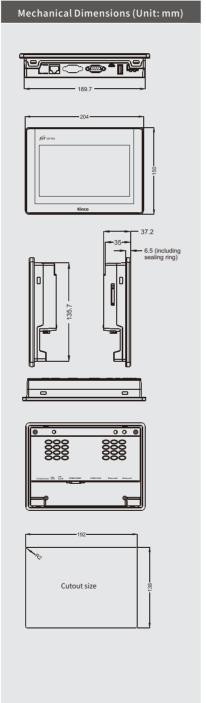


GT070HE / GT070HE-4G / GT070HE-WiFi

- 7" 1,024*600 high resolution, high-brightness, full-view
- Support Ethernet and 4G/WiFi (external antenna required)
- With powerful script function, support edge computing
- With built-in IoT function, support teleservice
- Compatible with mainstream 10.1" configuration screen, easy to change screen



Model/Specification	GT070HE	GT070HE-4G	GT070HE-WiFi	
Performance specifications				
Display size		7" TFT		
Display area	154.21(W)x85.92(H)			
Resolution	1,024*600 pixels			
Display color		16.77M true color		
Display angle of view		85/85/85/85 (left/right/up/dov	wn)	
Contrast ratio		800:1	,	
Backlight		LED		
Brightness		450cd/m ²		
Backlight life		More than 30,000 hours		
Touch panel	4-wire pre	ecision resistance network (surfac	ce hardness: 4H)	
Processor		ARM RISC 32Bit 800MHz	,	
Storage	256 MB	NAND Flash Memory + 128 MB DI	OR.3 Memory	
RTC	2001112	Built-in		
Expandable storage		1 USB Host		
Print port		USB host/serial port		
Ethernet		LAN0:10/100Mbps		
Network access	Ethernet	Ethernet, 4G wireless communication	Ethernet, Wi-Fi	
Program download		B Slave (Micro USB)/U disk/Etheri		
Wi-Fi/wireless network band	Not supported	LTE-FDD Band 1/3/5/8, LTE-TDD Band 38/39/40/41 UMTS Band 1/8, GSM Band 3/8	IEEE802.11b/g/n 802.11b:max 17dBm 802.11g:max 17dBm 802.11n:max 17dBm	
Communication port	COM0:RS232/RS485/RS422; COM2:RS232			
Electrical specifications				
Input power supply		DC10.8V~DC28V		
Power consumption		4.2W@DC24V		
Allowable loss of power		<3ms		
Insulation resistance		超过50MΩ@500V DC		
Hi-pot tests		500 VAC 1 minute		
Structure specifications				
PCB coating (Yes/No)		None		
Shell material		Engineering plastic		
Shape size		204×150×37mm		
Cutout size		192×138 mm		
Weight		0.5kg		
Environmental specifications				
Operating ambient temperature	۵	0~50°C		
Operating ambient temperature Operating ambient humidity		10~90% RH (noncondensir	1σ)	
Storage ambient temperature		-20~60°C	16/	
Storage ambient humidity		10~90% RH (noncondensin	ησ)	
Sine vibration test	10~	500Hz, 30m/S ² , X, Y, Z direction	0,	
Cooling mode	10.0	Natural air cooling	7113/110UI	
Product certification		Natural air Cooling		
Panel protection grade		IP65 compliant (4208-93	3)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)			
Software	CE COMPRIANT			
Configuration software	Kinco DTools V4.1 and above			





GT070E2

- 7", HD display, 16.77M true colorStandard configuration: Dual Ethernet ports, being able to achieve data separation and ensure data security

 • Designed with 3 serial ports, COM0 and COM1 support RS485 at the same time

 • More storage space: 256MBFLASH Flash Memory + 256MBDDR3 Memory



	ASH Flash Memory + 256MBDDR3 Memory inboard, resistant to strong corrosion in severe environment	ts muco
Model/Specification	GT070E2	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	7" TFT	
Display area	154.21(W)x85.92(H)	
Resolution	1,024*600 pixels	
Display color	16.77M true color	189.7
Display angle of view	85/85/85 (left/right/up/down)	204
Contrast ratio	800:1	
Backlight	LED	
Brightness	450cd/m ²	O ren
Backlight life	More than 30,000 hours	0 cm C2
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	ARM RISC 32Bit 800MHz	
Storage	256 MB NAND Flash Memory + 256 MB DDR.3 Memory	Kinco
RTC	Built-in	37.2
Expandable storage	1 USB Host	→ 35 →
Print port	USB host/serial port	6.5 (including sealing ring)
Ethernet	LAN0:10/100MbpsLAN1:10/100Mbps	
Network access	Ethernet	
Program download	USB Slave (Micro USB)/U disk/Ethernet port	135
	COM0:RS232/RS485/RS422	
Communication port	COM1(RS485/RS422)	
·	COM2:RS232	▝▀▔▘▗∭
Electrical specifications		=4
Input power supply	DC10.8V~DC28V	
Power consumption	4.2W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	超过50MΩ@500V DC	
Hi-pot tests	500 VAC 1 minute	
Structure specifications		000
PCB coating (Yes/No)	Yes	
Shell material	Engineering plastic	
Shape size	204×150×37mm	
Cutout size	192×138 mm	
Weight	0.6kg	
Environmental specifications		
Operating ambient temperature	-10~50°C	
Operating ambient humidity	10~90% RH (noncondensing)	192
Storage ambient temperature	-20∼60°C	R
Storage ambient humidity	10~90% RH (noncondensing)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Sine vibration test	10~500Hz, 30m/S ² , X, Y, Z directions/hour	
Cooling mode	Natural air cooling	Cutout size 🖁
Product certification		
Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V3.5.3 and above	

IoT Type

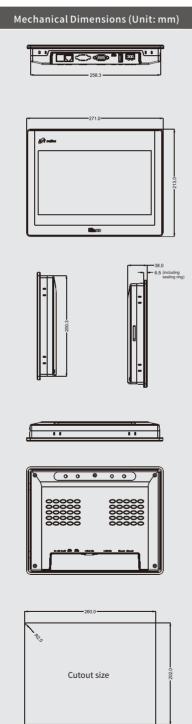


GT100E / GT100E-4G / GT100E-WiFi

- 10.1" HD display, 16.77M true color
- Support Ethernet and 4G/WiFi (external antenna required)
- With built-in IoT function, support teleservice
- Remote transmission, PLC program upload/download/online debugging/ desktop monitoring



Model/Specification	GT100E	GT100E-4G	GT100E-WiFi		
Performance specifications					
Display size		10.1" TFT			
Display area		222.72(W)x125.28(H)			
Resolution		1,024*600 pixels			
Display color		16.77M true color			
Display angle of view		85/85/85/85 (left/right/up/dov	wn)		
Contrast ratio		800:1	,		
Backlight		LED			
Brightness		350cd/m ²			
Backlight life		More than 30,000 hours			
Touch panel	4-wire pre	ecision resistance network (surfac	ce hardness: 4H)		
Processor		ARM RISC 32Bit 800MHz	•		
Storage	256 MB	NAND Flash Memory + 128 MB DI	DR.3 Memory		
RTC		Built-in			
Expandable storage		1 USB Host			
Print port		USB host/serial port			
Ethernet		LAN0:10/100Mbps			
Network access	Ethernet	Ethernet, 4G wireless communication	Ethernet, Wi-Fi		
Program download		B Slave (Micro USB)/U disk/Etheri			
Wi-Fi/wireless network band	Not supported	LTE-FDD Band 1/3/5/8, LTE-TDD Band 38/39/40/41 UMTS Band 1/8, GSM Band 3/8	IEEE802.11b/g/n 802.11b:max 17dBm 802.11g:max 17dBm 802.11n:max 17dBm		
Communication port	COM0:RS232/RS485/RS422; COM2:RS232				
Electrical specifications					
Input power supply	DC10.8V~DC28V				
Power consumption		7W@DC24V			
Allowable loss of power		<3ms			
Insulation resistance		超过50MΩ@500V DC			
Hi-pot tests		500 VAC 1 minute			
Structure specifications					
PCB coating (Yes/No)		None			
Shell material		Engineering plastic			
Shape size		271×213×38mm			
Cutout size		260×202mm			
Weight		1.1kg			
Environmental specifications					
Operating ambient temperature	2	0∼50°C			
Operating ambient humidity		10~90% RH (noncondensir	1g)		
Storage ambient temperature	-20~60°C				
Storage ambient humidity	10~90% RH (noncondensing)				
Sine vibration test	10~90% RH (noncondensing) 10~500Hz, 30m/S², X, Y, Z directions/hour				
Cooling mode	10 -	Natural air cooling	7113/110u1		
Product certification		ivaturat all cooling			
Panel protection grade		IP65 compliant (4200 03	2)		
CE authentication	IP65 compliant (4208-93) CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)				
Software	CE COMPITANT	(EN01000-0-4:2001+A1:2011,	EN01000-6-2:2005		
		Kinco DTools V4.1 and abo	21/0		
Configuration software		Mileo Diools V4.1 and abo)ve		





GT100E1

- 10.1" HD display, 16.77M true color
- Designed with 3 serial ports, COM0 and COM1 support RS485 at the same time
- Three-proofing coating of mainboard, resistant to strong corrosion in severe environments



environments		Killeo
• Built-in isolated power supply	to prevent external interference and enhance reliability	Minco
Model/Specification	GT100E1	Mechanical Dimensions (Unit: mm
Performance specifications		·
Display size	10.1" TFT	
Display area	227.72(W)x125.28(H)	
Resolution	1,024*600 pixels	258.3
Display color	16.77M true color	
Display angle of view	85/85/85/85 (left/right/up/down)	271.1
Contrast ratio	500:1	
Backlight	LED	
Brightness	350cd/m ²	
Backlight life	More than 30,000 hours	-213.0
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	ARM RISC 32Bit 800MHz	
Storage	256 MB NAND Flash Memory + 128 MB DDR.3 Memory	lih eo
RTC	Built-in	38.0
Expandable storage	1 USB Host	sealing ri
Print port	USB host/serial port	II-II∖ I VIIII
Ethernet	LAN0:10/100Mbps	
Network access	Ethernet	
Program download	USB Slave (Micro USB)/U disk/Ethernet port	
i rogium download	COM0:RS232/RS485/RS422	
Communication port	COM1:RS485/RS422	
oommuniounion porc	COM2:RS232	
Electrical specifications		<u> </u>
Input power supply	DC10.8V~DC28V, built-in isolated	· · · · · · · · · · · · · · · · · · ·
Power consumption	5W@DC24V	
Allowable loss of power	<3ms	11
Insulation resistance	超过50MΩ@500V DC	
Hi-pot tests	500 VAC 1 minute	
Structure specifications		
PCB coating (Yes/No)	Yes	00000 00000
Shell material	Engineering plastic	00000 00000
Shape size	271.1×213×38mm	00000 00000
Cutout size	260×202mm	
Weight	1.1kg	
Environmental specifications		
Operating ambient temperature	0~50°C	
Operating ambient humidity	10~90% RH (noncondensing)	260.0
Storage ambient temperature	-20∼60°C	R
Storage ambient humidity	10~90% RH (noncondensing)	₹
Sine vibration test	10~500Hz, 30m/S ² , X, Y, Z directions/hour	
Cooling mode	Natural air cooling	Cutout size
Product certification		
Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V4.1 and above	
0		

IoT Type



GT100E2/GT100E2-WiFi /GT100E2-4G/GT100E2-CAN

- 10.1" HD display, 16.77M true color;
 Standard configuration: Dual Ethernet ports, being able to achieve data separation and ensure data security;
- Support 4G/WiFi (built-in antenna);
- Three-proofing coating of mainboard, resistant to strong corrosion in severe environments;
 Built-in isolated power supply to prevent external interference and enhance reliability.

Model/Specification	GT100E2	GT100E2-WiFi	GT100E2-4G	GT100E2-CAN	
Performance specifications					
play size			10.1" TFT		
Display area		222	.72(W)x125.28(H)		
Resolution	1,024*600 pixels				
Display color	16.77M true color				
Display angle of view		70/70/60/	60 (left/right/up/down)		
Contrast ratio	500:1				
Backlight	LED				
Brightness			350cd/m ²		
acklight life		More	than 30,000 hours		
ouch panel	4-wire r		ance network (surface h	ardness: 4H)	
Processor			RISC 32Bit 800MHz	,	
torage	2561	MB NAND Flash	Memory + 128 MB DDR.3	Memory	
TC			Built-in		
xpandable storage			1 USB Host		
rint port		USE	B host/serial port		
thernet			ro USB) / U disk/Etherne	t port	
letwork access	Ethernet		Ethernet, 4G wireless communication		
Bus port	Lincinci	,	one	1*CANopen	
Program download			cro USB)/U disk/Ethernet p		
rogram downtodd		,	LTE-FDD Band 1/3/5/8,		
Ni-Fi/wireless network band	None	IEEE802.11b/g/n 802.11b:max 17dBm 802.11g:max17dBm 802.11n:max17dBm	LTE-TDD Band 38/39/40/41 TD-SCDMA Band 34/39, UMTS BCO.EVDO BcO, CDMAIx BCO,GSM Band 3/5/8	None	
Communication port	СОМО	:RS232/RS485/RS	5422; COM1:RS485/RS422; CO	OM2:RS232	
ectrical specifications					
nput power supply		DC10.8V~DC28V, built-in isolated			
ower consumption		5W@DC24V			
Illowable loss of power		<3ms			
nsulation resistance	Over 50MΩ@500V DC				
li-pot test		500 VAC 1 minute			
tructure specifications					
CB coating (Yes/No)			Yes		
hell material		Eng	gineering plastic		
hape size		271.	1×213.0×38mm		
Cutout size			260×202mm		
Veight		1.1kg			
Invironmental specifications					
perating ambient temperature			-10∼55°C		
Operating ambient humidity		10~90%	RH (noncondensing)		
Storage ambient temperature			-20~60°C		
storage ambient humidity		10~90%	RH (noncondensing)		
Sine vibration test			m/S ² , X, Y, Z directions/h	our	
Cooling mode			tural air cooling	oui	
roduct certification		IVA	iturat an cooting		
anel protection grade		IP65	compliant (4208-93)		
E authentication	CEcom	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)			
Software	CE COIII	huani (EMOTOO)	-u-4.2001 TAI.2011, EN0100	00-0-2.2003)	
		V: D7	Tools V2 E 2 sad abases		
onfiguration software		KINCODI	Tools V3.5.3 and above		





GT121E

- •12.1" HD display, 16.77M true color;
- With powerful script function, support edge computing
- With built-in IoT function, support teleservice.



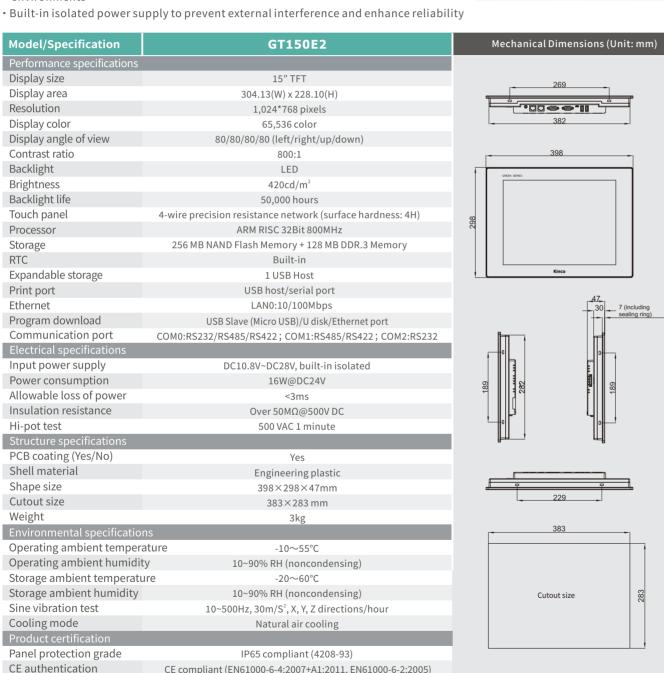
Model/Specification GT121E Performance specifications	Mechanical Dimensions (Unit: mr
	mochamicat Dinicipations (Offic. IIII
Display size 12.1" TFT	205.6
Display area 246(W)x184.5(H)	
Resolution 1,024*768 pixels	
Display color 16.77M true color	336.7
Display angle of view 85/85/85 (left/right/up/down)	
Contrast ratio 900:1	350
Backlight LED	
Brightness 400cd/m ²	
Backlight life 30,000 hours	
Fouch panel 4-wire precision resistance network (surface hardness: 4H)	560
Processor ARM RISC 32Bit 800MHz	
Storage 256 MB NAND Flash Memory + 128 MB DDR.3 Memory	
RTC Built-in	Kinco
Expandable storage 1 USB Host +1 SD Card	
Print port USB host/serial port	53 8.5 (inc
Ethernet LAN0:10/100Mbps	sealing
Program download USB Slave (Micro USB)/U disk/Ethernet port	
COM0:RS232/RS485/RS422	
Communication port COM1:RS485/RS422	
COM2:RS232	146.7
Electrical specifications	
nput power supply DC12V~DC28V, built-in isolated	
Power consumption 10.8W@DC24V	
Allowable loss of power <3ms	
nsulation resistance Over 50MΩ@500V DC	
Hi-pot tests 500 VAC 1 minute	
Structure specifications	205.6
	WORD, STITE
Shell material Engineering plastic	Kinco® Gess Stella
Shape size 350×260×54mm	
Cutout size 339×249mm	
Weight Approx. 2.2kg	redrick man up up up manner our
Environmental specifications	Kinco
Operating ambient temperature -10~55°C	339
Operating ambient humidity 10~90% RH (noncondensing)	
Storage ambient temperature -20~60°C	4
Storage ambient humidity 10~90% RH (noncondensing)	
Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour	
	Cutout size
Product certification	
Product certification Panel protection grade IP65 compliant (4208-93)	
Product certification Panel protection grade CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) CE authentication	
Product certification Panel protection grade IP65 compliant (4208-93)	

GT Series

GT150E2

Configuration software

- •15" HD display
- · Standard configuration: Dual Ethernet ports, being able to achieve data separation and ensure data security
- Three-proofing coating of mainboard, resistant to strong corrosion in severe environments



Kinco DTools V3.5.3 and above



GW Series IoT Gateways

GW01 / GW01-4G / GW01-WiFi

- Freescale industrial-grade CPU, Main frequency: 800MHz, Memory: up to 128MB
- Designed with dual-port Ethernet ports and COM port for communication, able to connect hundreds of mainstream controllers, without need to change the
- DTools, with simple configuration and powerful features, easy to achieve data mapping and transfer device data to the cloud
- Free choice of WiFi wireless communication or 4G module communication, adapting to different use scenarios
- Small size, easy to install (DIN rail mounting)



• Small size, easy to install (DIN rail mo	ounting)			
Model/Specification	GW01	GW01-4G	GW01-WiFi	Mechanical Din
Performance specifications				
Processor		ARM RISC 32Bit 800MHz		
Storage	256 MB NAND	Flash Memory + 128 MB D	DR.3 Memory	2 - Z-Z- Z-Z-
RTC		Built-in		O con Ethernet1 Ethernet1
Ethernet		LAN0:10/100Mbps		
WiFi	None	None	2.4GHz WiFi	
4G	None	Built-in 4G module	None	
USB		1*USB Slave		 {
Program download	USB Slave (Micro USB)/ Ethernet port	USB Slave (Micro USB)/ Ethernet port	USB Slave (Micro USB)/ Ethernet port/WiFi	
Wi-Fi/ wireless network band	Not supported	LTE-FDD Band 1/3/5/8, LTE-TDD Band 38/39/40/41 UMTS Band 1/8, GSM Band 3/8	IEEE802.11b/g/n 802.11b:max 17dBm 802.11g:max 17dBm 802.11n:max 17dBm	
Communication port		COM0: RS232/RS422/RS48 COM2:RS232	5	
Electrical specifications				0
Input power supply	DC1	2V~DC28V, built-in isol	ated	©
Power consumption		1.5W@DC24V		
Allowable loss of power	<3ms			
Insulation resistance		Over $50M\Omega@500V$ DC		
Hi-pot test		500 VAC 1 minute		
Structure specifications				
PCB coating (Yes/No)		None		
Shell color		Black		1 B B B B B B B B B B B B B B B B B B B
Shell material	Metallic			
Shape size	111.6×93.6×30mm			
Cutout size	DIN rail mounting (35mm)			
Weight				
Environmental specifications				
Operating ambient temperature		-10∼55°C		© ©
Operating ambient humidity	10	10~90% RH (noncondensing)		
Storage ambient temperature	-20~60°C			
Storage ambient humidity	10~90% RH (noncondensing)			
Sine vibration test	10~500H	z, 30m/S ² , X, Y, Z directi	ons/hour	
Cooling mode		Natural air cooling		
Product certification				0
Panel protection grade		IP20 compliant		
CE authentication	CE compliant (EN6	EN61000-6-2:2005)		
Software				
Configuration software	Kir	nco DTools V4.1 and abo	ove	

FUTURE Series

FUTURE Series Industrial HMIs

for High-end equipment industry

Kinco FUTURE series industrial HMIs

balance the steady industrial-grade needs with the enjoyment of new technologies;

By virtue of strict material selection and innovative design, the products can achieve an ultra-long life cycle of 10 years; Produced by Kinco Intelligent Manufacturing Center, their materials and whole manufacturing process can be traced to ensure high quality;

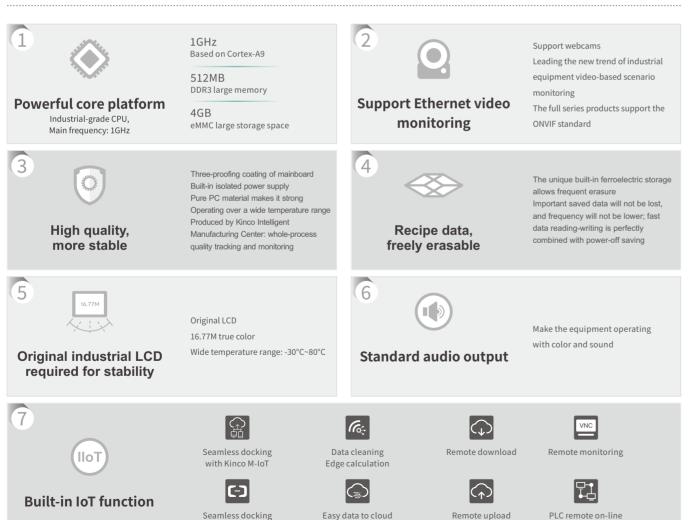
Customers can enjoy the new features of DTools (configuration software);

With the industry leading edge, we create high-end equipment preferred products.

with Alibaba Cloud IIoT

7 leading advantages for high-end equipment industry

FUTURE Series



FUTURE Series F070E

- · Cortex-A9 industrial-grade CPU, Main frequency: 1GHz, Memory: up to 512M;
- 7", high brightness and high resolution display;
- With built-in ferroelectric storage, support unlimited erasure of recipe data;
- Three-proofing coating + isolated power supply to enhance reliability;
- Support access to webcams, and achieve real-time dynamic control;
- Kinco DTools, a new generation of Kinco configuration software, with powerful function, simple and easy.



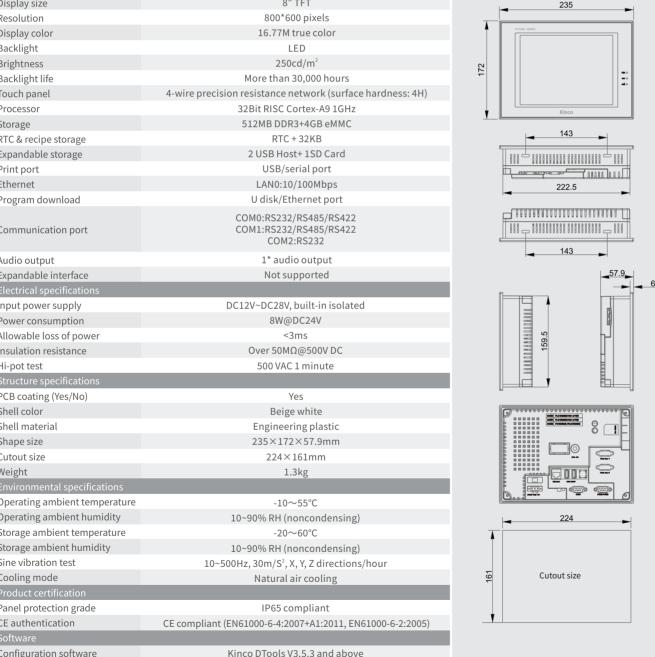
Print port Ethernet LANO:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COMO:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 Audio output Expandable interface Electrical specifications Input power supply DC12V-DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot test STUCTURE specifications PCB coating (Yes/No) Yes Shell color Gray Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight D.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient temperature -10~60°C Storage ambient temperature -20~60°C Storage ambient temperature -20~60°C Storage ambient temperature -10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Product certification CE compliant CE authentication CE compliant Software	nical Dimensions (Unit: mm
Resolution Resolu	
Display color Backlight LED Brightness 400cd/m² Backlight life More than 30,000 hours Touch panel 4-wire precision resistance network (surface hardness: 4H) Processor 32Bit RISC Cortex-A9 1GHz Storage 512MB DDR3+8GB eMMC RTC & recipe storage RTC + 32KB Expandable storage USB Host Print port Ethernet LAN0:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COM0:RS232/RS485/RS422 COM2:RS232 COM2:RS232 Audio output Expandable interface Electrical specifications Input power supply DC12V-DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power Insulation resistance Over 50MD@500V DC Hi-pot test Structure specifications Shell color Gray Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature 10~55°C Operating ambient temperature 10~55°C Operating ambient temperature 10~50°C Storage ambient thumidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade Electrication CE compliant CE compliant Software	204
Backlight Backlight Brightness Backlight (Author) Brightness Backlight (Fig. 1) Brightness (Surface hardness: 4H) Backlight (Fig. 1) Brightness (Fig. 1) Bri	
Brightness Backlight life More than 30,000 hours Touch panel 4-wire precision resistance network (surface hardness: 4H) Processor 32Bit RISC Cortex-A9 1GHz Storage 512MB DDR3+8GB eMMC RTC 4.32KB Expandable storage Print port USB Isave (Micro USB)/U disk/Ethernet port COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 COM2:RS232 Audio output 1' audio output Expandable interface Not supported Electrical specifications Input power supply DC12V-DC28V, built-in isolated Power consumption 5W@DC.24V Allowable loss of power Insulation resistance Over 50MQ@500V DC Hi-pot test 500 VAC 1 minute Structure specifications PCB coating (Yes/No) Shell color Gray Shell color Gray Shell color Gray Shell material Engineering plastic Shape size 204 × 150 × 37.2 mm Cutout size 192 × 138 mm Weight 0.57 kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient temperature -20~60°C Storage ambient thumidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient thumidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient temperature -	
Backlight life Touch panel 4-wire precision resistance network (surface hardness: 4H) 32Bit RISC Cortex-A9 1GHz Storage 512MB DDR3*46B eMMC RTC 4 32KB Expandable storage Program download USB Slave (Micro USB)/U disk/Ethernet port COMG:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS23/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS42 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS422 COM2:RS232/RS48/RS42 COM2:RS232/RS48/	
Backlight life More than 30,000 hours Touch panel 4-wire precision resistance network (surface hardness: 4H) 7-cocessor 32Bit RISC Cortex-A9 1GHz Storage 512MB DDR3*8GB eMMC RTC * 23KB Expandable storage USB Host Program download USB Slave (Micro USB)/U disk/Ethernet port COM9::RS232/RS485/RS422 COM2::RS232/RS485/RS422 COM2::RS232 Audio output Expandable interface Power consumption Software Operating specifications Pes Cautheritation Power consumption Autural air cooling Product certification CE compliant CE compliant CE compliant CE compliant CE compliant	- 02L
Touch panel 4-wire precision resistance network (surface hardness: 4H) 32Bit RISC Cortex-A9 16Hz Storage 512MB DDR3+8GB eMMC RTC & recipe storage Expandable storage USB Host USB/Serial port Ethernet LAN0:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COMM:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:R	0 ===
Processor 32Bit RISC Cortex-A9 1GHz Storage 512MB DDR3+8GB eMMC RTC + 32KB Expandable storage Expandable storage Print port USB Host USB Host USB Jave (Micro USB)/U disk/Ethernet port COM0:RS232/RS48S/RS422 COM1:RS232/RS48S/RS422 COM1:RS232/RS48S/RS422 COM2:RS232 Audio output 1* audio output Expandable interface Not supported Electrical specifications Input power supply DC12V-DC28V, built-in isolated Power consumption Allowable loss of power A	
RTC & recipe storage Expandable storage Print port USB Host USB/serial port Ethermet LAN0:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS485/RS422 Audio output 1* audio output Expandable interface Not supported Electrical specifications Input power supply DC12V-DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power	Kinco
Expandable storage Print port Ethernet LANO:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COMO:RS232/RS485/RS422 COM2:RS232 Audio output Expandable interface Electrical specifications Input power supply DC12V~DC28V, built-in isolated Power consumption Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot test Structure specifications PCB coating (Yes/No) Shell color Gray Shell color Gray Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight D.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient temperature -10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500H2, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Product certification CE compliant CE compliant CE compliant	
Expandable storage USB Host USB/serial port LAN0:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 Audio output Expandable interface In audio output Expandable interface Rot supported Electrical specifications Input power supply DC12V-DC28V, built-in isolated Power consumption Allowable loss of power Insulation resistance Over 50MQ@500V DC Hi-pot test Structure specifications PCB coating (Yes/No) Shell color Gray Shell color Gray Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight D.57kg Environmental specifications Operating ambient temperature Operating ambient temperature -10~55°C Operating ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500H2, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Product certification CE compliant CE compliant CE compliant	
Print port Ethernet LANO:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COMO:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 Audio output Expandable interface Not supported Electrical specifications Input power supply DC12V~DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power Allowable loss of power Insulation resistance Over 50MQ@500V DC Hi-pot test Structure specifications PCB coating (Yes/No) Yes Shell color Gray Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight Environmental specifications Operating ambient temperature -10~55°C Operating ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Fine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Product certification CE compliant CE authentication CE compliant CE compliant	◎◎* **
Ethernet LAN0:10/100Mbps Program download USB Slave (Micro USB)/U disk/Ethernet port COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 Audio output 1* audio output Expandable interface Rot supported Electrical specifications Input power supply DC12V~DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot test Structure specifications PCB coating (Yes/No) Yes Shell color Gray Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification CE compliant CE compliant	·
USB Slave (Micro USB)/U disk/Ethernet port COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 Audio output 1* audio output Expandable interface Not supported Electrical specifications Input power supply DC12V~DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power Structure specifications Insulation resistance Over 50MΩ@500V DC Hi-pot test Structure specifications PCB coating (Yes/No) Yes Shell color Schell material Engineering plastic Shape size Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature 10~90% RH (noncondensing) Storage ambient temperature 2-20~60°C Storage ambient temperature 10~90% RH (noncondensing)	189.7
COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 Audio output 1* audio output Expandable interface Rot supported Electrical specifications Input power supply DC12V-DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power Allowable loss of power Hi-pot test Structure specifications PCB coating (Yes/No) Yes Shell color Shell color Shell color Gray Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sicorage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~50Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE compliant CE compliant	
Expandable interface Electrical specifications Input power supply DC12V~DC28V, built-in isolated Power consumption SW@DC24V Allowable loss of power Allowable loss of power Hi-pot test Structure specifications PCB coating (Yes/No) Yes Shell color Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size Meight D.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient temperature -10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient temperature 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE compliant Software	37.2
Expandable interface Electrical specifications Input power supply DC12V~DC28V, built-in isolated Flower consumption SW@DC24V Allowable loss of power Sinsulation resistance Over 50MΩ@500V DC Hi-pot test Structure specifications PCB coating (Yes/No) Shell color Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight Derating ambient temperature -10~55°C Operating ambient temperature -20~60°C Storage ambient temperature -20~60°C Storage ambient temperature -20~60°C Storage ambient temperature 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE compliant Software	- 6.5 (inc
DC12V~DC28V, built-in isolated Flower consumption SW@DC24V Allowable loss of power Allowable loss of	sealini,
Power consumption SW@DC24V Allowable loss of power Allowable loss of power loss of power Allowable loss of power Allowable loss of power loss of power Allowable loss of power Allowable loss of power loss of power Allowable loss of power Allowable loss of power loss of power Allowable lose of power Allowable	
Allowable loss of power Insulation resistance Over 50M\(\Omega) = 500 \text{ VAC 1 minute} Structure specifications PCB coating (Yes/No) Shell color Shell material Engineering plastic Shape size Cutout size 192 × 138 mm Weight Environmental specifications Operating ambient temperature Operating ambient temperature Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE compliant Software	
Allowable loss of power Allowable loss of power Allowable loss of power Allowable loss of power Over 50M\(\Omega\) 6500V DC Hi-pot test Structure specifications PCB coating (Yes/No) Shell color Shell material Engineering plastic Shape size Cutout size 192 × 138 mm Weight Environmental specifications Operating ambient temperature Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	35.7
Insulation resistance Over 50MQ@500V DC Hi-pot test 500 VAC 1 minute Structure specifications PCB coating (Yes/No) Shell color Shell material Engineering plastic 204×150×37.2 mm Cutout size 192×138 mm Weight 50-57kg Environmental specifications Operating ambient temperature 10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE compliant Software	ī 🖳
Structure specifications PCB coating (Yes/No) Shell color Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE compliant Software	-
PCB coating (Yes/No) Shell color Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade CE compliant CE authentication CE compliant Software	·
PCB coating (Yes/No) Shell color Shell material Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	0
Engineering plastic Shape size 204×150×37.2 mm Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	
Shape size Cutout size 192×138 mm Weight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	000
Cutout size 192×138 mm Neight 0.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	
Weight O.57kg Environmental specifications Operating ambient temperature -10~55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	
Environmental specifications Operating ambient temperature Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	<u> </u>
Environmental specifications Operating ambient temperature Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	
Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	
Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	
Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	192
Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade CE authentication CE compliant Software	
Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	
Cooling mode Natural air cooling Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	Cutaut size
Product certification Panel protection grade IP65 compliant CE authentication CE compliant Software	Cutout size
Panel protection grade IP65 compliant CE authentication CE compliant Software	
CE authentication CE compliant Software	
Software	
Configuration software Kinco DTools V3.5.3 and above	

FUTURE Series F080E

- Cortex-A9 industrial-grade CPU, Main frequency: 1GHz, Memory: up to 512M;
- 8", high brightness and high resolution display, industrial size 4:3;
- With built-in ferroelectric storage, support unlimited erasure of recipe data;
- Three-proofing coating + isolated power supply to enhance reliability;
- SD card expands the storage space;
- Support access to webcams, and achieve real-time dynamic control;
- · Support MPI 187.5K.



Model/Specification	F080E	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	8" TFT	235
Resolution	800*600 pixels	
Display color	16.77M true color	FUTURE SCRIES
Backlight	LED	
Brightness	250cd/m²	122
Backlight life	More than 30,000 hours	7
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	32Bit RISC Cortex-A9 1GHz	Kinco
Storage	512MB DDR3+4GB eMMC	
RTC & recipe storage	RTC + 32KB	143
Expandable storage	2 USB Host+ 1SD Card	
Print port	USB/serial port	1 888 288882888888888888888888888888888
Ethernet	LAN0:10/100Mbps	222.5
Program download	U disk/Ethernet port	222.0
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232	
Audio output	1* audio output	143
Expandable interface	Not supported	57.9
Electrical specifications		
Input power supply	DC12V~DC28V, built-in isolated	
Power consumption	8W@DC24V	
Allowable loss of power	<3ms	159.5
Insulation resistance	Over 50MΩ@500V DC	192
Hi-pot test	500 VAC 1 minute	159.5
Structure specifications		T T T
PCB coating (Yes/No)	Yes	
Shell color	Beige white	[
Shell material	Engineering plastic	DESIGNATION OF THE PROPERTY OF
Shape size	235×172×57.9mm	
Cutout size	224×161mm	
Weight	1.3kg	
Environmental specifications		
Operating ambient temperature	-10∼55°C	
Operating ambient humidity	10~90% RH (noncondensing)	224
Storage ambient temperature	-20~60°C	
Storage ambient humidity	10~90% RH (noncondensing)	1
Sine vibration test	10~500Hz, 30m/S², X, Y, Z directions/hour	
Cooling mode	Natural air cooling	Σ Cutout size
Product certification	Huttarat all Cooling	
Panel protection grade	IP65 compliant	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	_ 🛊
Software		
Configuration software	Kinco DTools V3.5.3 and above	
Comiguration software	Milico Diodis vs.3.3 aliu above	



Note: F080E is replacement of MT4403T, MT4403TE and MT5423T.

FUTURE Series F104E/F104E-CAN

- Cortex-A9 industrial-grade CPU, Main frequency: 1GHz, Memory: up to 512M;
- 10.4", high brightness and high resolution display, industrial size 4:3;
- With built-in ferroelectric storage, support unlimited erasure of recipe data;
- Three-proofing coating + isolated power supply to enhance reliability;
- SD card expands the storage space;
- Support access to webcams, and achieve real-time dynamic control;
- Support MPI 187.5K.



Model/Specification	F104E	F104E-CAN	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size	10.4	"TFT	310.6
Resolution	1,024*7		
Display color	16.77M t	true color	FUTURE SOURCE
Backlight	LI		
Brightness	4500	99	
Backlight life	More than 5	8	
Touch panel	4-wire precision resistance n		
Processor	32Bit RISC Co	ortex-A9 1GHz	Kinco
Storage	512MB DDR	3+4GB eMMC	
RTC & recipe storage	RTC +	+ 32KB	215
Expandable storage	2 USB Host	t + 1SD Card	
Print port	USB/se	rial port	
Ethernet	LAN0:10,	/100Mbps	297.5
Program download	U disk/Eth	nernet port	
Communication port	COM1:RS232/	/RS485/RS422 /RS485/RS422 :RS232	215
Audio output	1* audi	o output	
Expandable interface	Not supported	1*CANopen	55.7 7.4 (including sealing ring)
Electrical specifications			
Input power supply	DC12V~DC28V,	built-in isolated	
Power consumption	12W@	DC24V	
Allowable loss of power	<3	ms	
Insulation resistance	Over 50MΩ	Ω@500V DC	
Hi-pot test	500 VAC	1 minute	
Structure specifications			
PCB coating (Yes/No)	Y	es	
Shell color	Beige	white	0
Shell material	Engineer	ing plastic	
Shape size	310.6×230.	.6×55.7 mm	
Cutout size	299×2	219 mm	
Weight	1.7	7kg	
Environmental specifications			
Operating ambient temperature	-10^	-55°C	
Operating ambient humidity	10~90% RH (no	oncondensing)	299
Storage ambient temperature	-20^	-60°C	•
Storage ambient humidity	10~90% RH (no	oncondensing)	
Sine vibration test	10~500Hz, 30m/S ² , X	, Y, Z directions/hour	
Cooling mode	Natural a	ir cooling	Cutout size
Product certification			
Panel protection grade	IP65 co	mpliant	
CE authentication	CE compliant (EN61000-6-4:20	07+A1:2011, EN61000-6-2:2005)	1
Software			
Configuration software	Kinco DTools V.	3.5.3 and above	

Note: F104E is replacement of MT5520T and MT5520T-MPI; F104E-CAN is replacement of MT5520T-CAN.

FUTURE Series F121E

- Industrial-grade CPU, Main frequency: 1GHz;
- •12.1" HD LCD, 16.77M true color, full-view display;
- 8GB eMMC huge memory +512MB DDR3 memory, Expandable storage: 1*SD+2*USB host;
- 3 serial ports, all with serial port isolation;
- Built-in isolated power supply and PCB protection;
- Support access to webcams, and achieve real-time dynamic control;
- Support OPC UA, MQTT and other IoT protocols, Siemens tag protocol, etc.



Model/Specification	F121E	Mechanical Dimensions (Unit: mm
Performance specifications		
Display size	12.1" TFT	0.50
Resolution	1,024*768 pixels	350
Display color	16.77M true color	
Backlight	LED	
Display angle of view	88/88/88 (left/right/up/down)	4
Brightness	500cd/m ²	564
Backlight life	More than 50,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	10hop
Processor	32Bit RISC Cortex-A9 1GHz	
Storage	512MB DDR3+4GB eMMC	
RTC & recipe storage	RTC + 32KB	
Expandable storage	2 USB Host+1SD Card	326
Print port	USB host/serial port	
Ethernet	LAN0:10/100Mbps	
Program download	U disk/Ethernet port	
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232	2.5 48.9 23.8 7 (Including
Audio output	1* audio output	sealing ring)
Expandable interface	1*CANopen	
Electrical specifications		240
Input power supply	DC12V~DC28V, built-in isolated	
Power consumption	18W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	Ц
Hi-pot test	500 VAC 1 minute	
Structure specifications		<u>:_ · · · :</u>
PCB coating (Yes/No)	Yes	
Shell color	Black	
Shell material	Engineering plastic	
Shape size	350×264×48.9mm	
Cutout size	328X242mm	
Weight	3.6kg	
Environmental specifications	3,00%	
Operating ambient temperature	-10∼55°C	328
Operating ambient humidity	10~90% RH (noncondensing)	320
Storage ambient temperature	-20~60°C	†
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~500Hz, 30m/S², X, Y, Z directions/hour	Cutout size
Cooling mode	Natural air cooling	"
Product certification	ivatural all Coolling	
Panel protection grade	IP65 compliant	•
CE authentication	CE compliant	
Software	CE COMPHAIL	
	Kinca DTaala V2 F 2 and above	
Configuration software	Kinco DTools V3.5.3 and above	



Mechanical Dimensions (Unit: mm)
350
1000
326
23.8 7 (including sealing ring)
328
Cutout size

FUTURE Series F121EW

- Industrial-grade CPU, Main frequency: 1GHz;
- •12.1" HD LCD, 16.77M true color, full-view display;
- 8GB eMMC huge memory +512MB DDR3 memory, Expandable storage: 1*SD+2*USB host;
- 3 serial ports, all with serial port isolation;
- Built-in isolated power supply and PCB protection;
- Support access to webcams, and achieve real-time dynamic control;



• Support OPC UA, MQTT and	other IoT protocols, Siemens tag protocol, etc.	
Model/Specification	F121EW	Mechanical Dimens
Performance specifications		
Display size	12.1" TFT	
Resolution	1,024*768 pixels	313.00
Display color	16.77M true color	313.00
Backlight	LED	
Display angle of view	88/88/88/88 (left/right/up/down)	
Brightness	500cd/m ²	235.00
Backlight life	More than 50,000 hours	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	32Bit RISC Cortex-A9 1GHz	Kinco
Storage	512MB DDR3+8GB eMMC	
RTC & recipe storage	RTC + 32KB	
Expandable storage	2 USB Host+1SD Card	
Print port	USB host/serial port	
Ethernet	LAN0:10/100Mbps	
Program download	U disk/Ethernet port	
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232	
Audio output	1* audio output	
Expandable interface	1*CANopen	
Electrical specifications		
Input power supply	DC12V~DC28V, built-in isolated	
Power consumption	18W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		
PCB coating (Yes/No)	Yes	
Shell color	Beige white	
Shell material	Metallic	
Shape size	313x235x47.5mm	
Cutout size	295x217mm	
Weight	3.6kg	295.00
Environmental specifications		
Operating ambient temperature	-10∼55°C	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60°C	Cutout size
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~500Hz, 30m/S², X, Y, Z directions/hour	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	IP65 compliant	
CE authentication	CE compliant (EN6100-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V3.5.3 and above	

nsions (Unit: mm)

FUTURE Series

SD card expands the storage space;

FUTURE Series F150EW

• Cortex-A9 industrial-grade CPU, Main frequency: 1GHz, Memory: up to 512M;

• With built-in ferroelectric storage, support unlimited erasure of recipe data;

• 15", high brightness and high resolution display, industrial size 4:3;

• Support access to webcams, and achieve real-time dynamic control;

FUTURE Series F150E

- Cortex-A9 industrial-grade CPU, Main frequency: 1GHz, Memory: up to 512M;
- 15", high brightness and high resolution display, industrial size 4:3;
- With built-in ferroelectric storage, support unlimited erasure of recipe data;
- SD card expands the storage space;
- Support access to webcams, and achieve real-time dynamic control;
- · Support MPI 187.5K.



Model/Specification	F150E	Mechanical Dimensions (Unit: mm
Performance specifications		
Display size	15" TFT	406.50
Resolution	1,024*768 pixels	
Display color	16.77M true color	
Backlight	LED	
Brightness	300cd/m ²	313.50
Backlight life	More than 50,000 hours	6
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	32Bit RISC Cortex-A9 1GHz	Kinco
Storage	512MB DDR3+4GB eMMC	
RTC & recipe storage	RTC + 32KB	
Expandable storage	2 USB Host+ 1SD Card	
Print port	USB host/serial port	
Ethernet	LAN0:10/100Mbps	₩ •••••
Program download	U disk/Ethernet port	40.00
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232	◆→ 48.30 ◆→ 26.50
Audio output	1* audio output	
Expandable interface	1*CANopen	
Electrical specifications		l po out
Input power supply	DC12V~DC28V, built-in isolated	
Power consumption	12W@DC24V	
Allowable loss of power	<3ms	ШШ
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	0 0
Structure specifications		
PCB coating (Yes/No)	Yes	
Shell color	Black	
Shell material	Metallic	
Shape size	406.5×313.5×48.3mm	
Cutout size	387.5×294.5mm	⊕ ⊕
Weight	5kg	
Environmental specifications		387.5
Operating ambient temperature	-10∼55°C	307.3
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60°C	
Storage ambient humidity	10~90% RH (noncondensing)	Cutout size
Sine vibration test	10~500Hz, 30m/S ² , X, Y, Z directions/hour	Cutout size
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	IP65 compliant	
CE authentication	CE compliant (EN6100-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V3.5.3 and above	
3		



it: mm)

+ 48.30

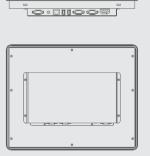
26.50

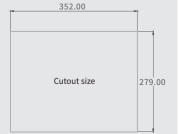
· Support MPI 187.5K. Model/Specification F150EW 15" TFT Display size Resolution 1,024*768 pixels 16.77M true color Display color Backlight LED 300cd/m² Brightness More than 50,000 hours Backlight life Touch panel 4-wire precision resistance network (surface hardness: 4H) Processor 32Bit RISC Cortex-A9 1GHz 512MB DDR3+4GB eMMC Storage RTC & recipe storage RTC + 32KB Expandable storage 2 USB Host + 1SD Card Print port USB host/serial port Ethernet LAN0:10/100Mbps Program download U disk/Ethernet port COM0:RS232/RS485/RS422; Communication port COM1:RS232/RS485/RS422 COM2:RS232 Audio output 1* audio output Expandable interface 1*CANopen Input power supply DC12V~DC28V, built-in isolated 12W@DC24V Power consumption Allowable loss of power <3ms Insulation resistance Over 50MΩ@500V DC Hi-pot test 500 VAC 1 minute PCB coating (Yes/No) Yes Beige white Shell color Shell material Engineering plastic Shape size 366x293x49.5mm Cutout size 352x279mm Weight 5kg Operating ambient temperature -10∼55°C Operating ambient humidity 10~90% RH (noncondensing) Storage ambient temperature -20~60°C Storage ambient humidity 10~90% RH (noncondensing) Sine vibration test 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Panel protection grade IP65 compliant

CE compliant (EN6100-6-4:2007+A1:2011, EN61000-6-2:2005)

Kinco DTools V4.1 and above

Kinco
Mechanical Dimensions (Unit: mm)
293.00
Kinco
366.00
49.5
7.00
L
<u> </u>





35 36

CE authentication

Configuration software

Split type industrial HMI XF-SiHMI01

- High-end configuration: Cortex-A9 architecture, Main frequency: 1G.512MB DDR3 + 4GB eMMC;
- HDMIV1.4 Full HD (1,920*1,080@60Hz) high resolution output;
- Standard configuration: 2 USB hosts, 3 serial ports (COM1 is terminal-type), and one Ethernet port;
- The concept of separating the screen from the host, adaptive to various display devices, such as TV, monitor, projector, etc., through HDMI interface;
- 2-channel digital input (programmable, standard 24V source), 3-channel digital output (programmable, standard 24V source);
- Optional WiFi 802.11b/g/n wireless network and SD card to expand storage capacity;
- · Various installation methods: DIN rail mounting (35mm) and VESA rack mounting (75*75mm).

Model/Specification	xF-SiHMI01	М
Performance specifications		
Processor	32Bit RISC Cortex-A9 1GHz	
Storage	512MB DDR3+4GB eMMC	
Interface Configuration		
Display port	1*HDMI V1.4 Full HD (1920*1080@60Hz)	
Expandable storage	2*USB HOST	
Ethernet	LAN0:10/100Mbps	
Communication port	COM0:RS232/RS422/RS485;	
	COM1:RS485;COM2:RS232	
IO port	2-channel digital input (programmable, standard 24V source);	
	3-channel digital output (programmable, standard 24V source)	
External power supply	1*DC 24V power supply (same input voltage), current 500mA	
Electrical specifications		
Rated power	2.4W	
Input power supply	DC12V~DC28V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		
PCB coating (Yes/No)	None	
Shell color	Black	
Shell material	Metallic	
Shape size	133X104X30.2 mm	
Installation	DIN rail mounting (35mm) and VESA rack mounting (75*75mm)	
Weight	0.47kg	
Environmental specifications		
Operating ambient temperature	-10∼55°C	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-30~80°C	
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~25Hz (2G/30min in X, Y, Z directions)	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	IP 20	
CE authentication	CE compliant (EN6100-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V3.5.3 and above	

lechanical Dimensions (Unit: mm) ••

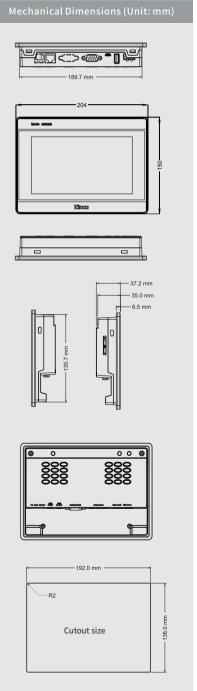
M2 Series HD and High-performance

M2070H/M2070HE

- 7", HD display, 16.77M true color;
- The front panel protection grade is IP65-compliant;
- Buckle-mounted sealing design for waterproofing and oil pollution protection;
- Kinco DTools, a new generation of Kinco configuration software, with powerful function, simple and easy.

4444	
Kinco	

Model/Specification	M2070H	M2070HE
Performance specifications		
Display size	7"TFT	
Display area	154.21(H)x85.92(V)	
Resolution	1,0	024*600 pixels
Display color	16.	77M true color
Display angle of view	85/85/85/8	5 (left/right/up/down)
Contrast ratio		800:1
Backlight		LED
Brightness		450cd/m ²
Backlight life	More t	than 30,000 hours
Touch panel	4-wire precision resista	nce network (surface hardness: 4H)
Processor	ARM Corte	ex-A7 Dual Core 1GHz
Storage	256MB NAND Flash I	Memory + 128MB DDR3 Memory
RTC		Built-in
Expandable storage		1 USB Host
Print port	USB	host/serial port
Ethernet	None	LAN0:10/100Mbps
Program download	USB Slave (Micro USB)/U disk	USB Slave (Micro USB)/U disk/Ethernet port
	COM0:R	S232/RS485/RS422
Communication port		2S485; COM2: RS232
Electrical specifications		
Input power supply	DC	C10.8V~DC28V
Power consumption	4	.2W@DC24V
Allowable loss of power		<3ms
Insulation resistance	Over	50MΩ@500V DC
Hi-pot test	500	0 VAC 1 minute
Structure specifications		
PCB coating (Yes/No)		None
Shell material	Eng	ineering plastic
Shape size		×150×37.2mm
Cutout size	1	.92×138mm
Weight	A	approx. 0.5kg
Environmental specifications		
Operating ambient temperature		0~50°C
Operating ambient humidity	10~90%	RH (noncondensing)
Storage ambient temperature	10 30701	-20~60°C
Storage ambient humidity	10~90%	RH (noncondensing)
Sine vibration test		n/S ² , X, Y, Z directions/hour
Cooling mode		rural air cooling
Product certification	Ivat	urat air cootiiig
Panel protection grade	IDCE	ompliant (4208-93)
CE authentication		, , ,
Software	CE compliant (EN61000-6	i-4:2007+A1:2011, EN61000-6-2:2005)
2011Mate		



Industry Specialized Application Series

M2 Series HD and High-performance

M2100/M2100E

- Industrial-grade multi-core CPU;
- 10.1" display, 16.2M true color;
- 256MB NAND Flash Memory+128MB DDR3 Memory;



Model/Specification	M2100	M2100E	Mechanical Dimensions (Unit: m
Performance specifications			
Display size		10.1" TFT	
Display area	222.72(H)x125.28(V)		
Resolution	1	,024*600 pixels	257.7
Display color	1	6.2M true color	•
Display angle of view	85/85/85/	85 (left/right/up/down)	271
Contrast ratio		500:1	WASS 357853
Backlight		LED	MASS SERIES
Brightness		300cd/m ²	
Backlight life	More	than 30,000 hours	64
Touch panel	4-wire precision resista	ance network (surface hardness: 4H)	
Processor	ARM Cor	tex-A7 Dual Core 1GHz	Maria.
Storage	256MB NAND Flash	Memory + 128MB DDR3 Memory	Kinco
RTC		Built-in	
Expandable storage		1 USB Host	
Print port	USI	B host/serial port	
Ethernet	None	LAN0:10/100Mbps	
Program download		USB Slave (Micro USB)/U disk/Ethernet port	36.00 6.50 (mc
	COM0:	RS232/RS485/RS422	
Communication port		RS485; COM2: RS232	- -
Electrical specifications			
Input power supply	D	DC10.8V~DC28V	
Power consumption		6W@DC24V	
Allowable loss of power		<3ms	
Insulation resistance	Ove	er 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute		
Structure specifications			280 mm
PCB coating (Yes/No)		None	
Shell material	En	gineering plastic	
Shape size		80x193x36mm	Cutout size
Cutout size	2	260x179mm	
Weight		Approx. 0.9kg	
Environmental specifications		Approx. 0.3kg	<u> </u>
Operating ambient temperature		0~50°C	
Operating ambient temperature Operating ambient humidity	1000%	RH (noncondensing)	
Storage ambient temperature	10.290%	-20~60°C	
	10,000/		
Storage ambient humidity Sine vibration test		o RH (noncondensing)	
		m/S², X, Y, Z directions/hour	
Cooling mode Draduct cortification	Na 	atural air cooling	
Product certification		1: (4000 00)	
Panel protection grade		compliant (4208-93)	
CE authentication	CE compliant (EN61000-	6-4:2007+A1:2011, EN61000-6-2:2005)	
Software			
Configuration software	Kinco D	Tools V4.0 and above	

GR Series Rear Rear-installation without front shell

• The GR series products adopt the rear-installation fixation method, which enables them to perfectly fit the surface of the equipment and be integrated with the equipment







		Wimp!	
Model	GR043	GR070E	GR100E
Performance specifications			
Display size	4.3" TFT	7" TFT	10.1" TFT
Resolution	480×272 pixels	800×480 pixels	1,024×600 pixels
Display color	400 × 212 pixets	16.77M true color	1,024× 000 pixets
Brightness	450cd/m ²	250cd/m²	400cd/m ²
Backlight	43000/111	LED	40000/111
ouch panel	4-wire preci	sion resistance network (surface hard	Iness: 4H)
CD life	6	More than 30,000 hours	
Processor		ARM RISC 32Bit 800MHz	
torage	256MB N	IAND Flash Memory + 128MB DDR3 Me	morv
TC	230111211	RTC	y
expandable storage		1 USB Host	
Print port		USB/serial port	
Ethernet	Not supported	LANO:10/2	100Mbps
Program download	USB Slave (Micro USB)/U disk	USB Slave (Micro USB)	•
-Tograffi dowifioad	COM0:RS232/RS485/RS422;	COM0:RS232/F	
Communication port	COM0.RS2S2/RS46S/RS422,	COMU.R3232/F	
Electrical specifications	COMZ. NS2S2	COM2.	N3232
nput power supply		DC10.8V~DC28V	
Power consumption	2W@DC24V	3.6W@DC24V	6W@DC24V
Allowable loss of power		<3ms	
nsulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC 1 minute		
Structure specifications			
PCB coating (Yes/No)		None	
Shell color	-		Metallic gray
Shell material		Metallic	3 ,
Shape size	128×75×27mm	190.4×110×30mm	275.6×163.6×32mm
Cutout size	107.7×69.4 mm	166.7×101.6 mm	236.9×146.3 mm
Weight	0.2kg	0.3kg	0.9kg
Environmental specifications			
Operating ambient temperature	0~50°C		
Operating ambient humidity		10~90% RH (noncondensing)	
Storage ambient temperature		-20~60°C	
Storage ambient humidity		10~90% RH (noncondensing)	
Sine vibration test	10~90% RH (Honcondensing) 10~500Hz, 30m/S², X, Y, Z directions/hour		
Cooling mode	10	Natural air cooling	
Product certification			
Front panel protection grade		IP20 compliant	
CE authentication	CF compliant	(EN61000-6-4:2007+A1:2011, EN6100	0-6-2:2005)
Software	- CE COMPRIANT	(2.1.0.1.0.0.0 0 4.2.001 ./11.2.011, EN0100	
Configuration software		Kinco DTools V3.5.3 and above	
John garation software		Mileo 2 10003 v3.3.3 and above	

Note: GR043 is replacement of MT4043R; GR070E is replacement of MT4070R and MT4070ER; GR100E is replacement of MT4100ER.

RT070 Dedicated Handheld Terminal

- Basic specification: 7"TFT, 800 × 480 pixels, 16.77M true color;
- Standard configuration: One 3-option switch, and one emergency stop switch; optional 3-position enable switch for occasions with high security requirements;
- Mobile operation: Handheld terminal, Standard configuration: 5m cable;
- Simple installation: Support FDM standard (hole spacing: 75×75mm) rack mounting;
- Intimate services: Customized services can be provided according to the actual applications of customers.



Model	RT070	
Performance specifications		
LCD size	7" TFT	
Resolution	800×480 pixels	
Display color	16.77M true color	
Brightness	250cd/m ²	
Backlight	LED	
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
LCD life	50,000 hours	
Programmable LED	2	
Emergency stop switch	1	
3-option switch	1	
CPU	ARM RISC 32Bit 800 MHz	
Storage	128MB NAND Flash Memory + 128MB DDR3 Memory	
RTC & recipe storage	RTC + 256KB	
Expandable storage	1 USB Host	
Serial port	1 RS485-2/RS232	
Ethernet	None	
Program download	Serial port (RS232), USB host	
Communication port	RS485-2、RS232	
Electrical specifications		
Input power supply	DC16V~DC32V, built-in isolated	1
Power consumption	8W@DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500V AC 1 minute	
Structure specifications		
PCB coating (Yes/No)	None	
Shell color	Black	
Shell material	Engineering plastic	
Shape size	220×156×45mm	
Installation	Rack mounting and suspension mounting	
Weight	None	
Environmental specifications		
Operating ambient temperature	0~50°C	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-10~60°C	
Storage ambient humidity	10~90% RH (noncondensing)	
Sine vibration test	10~500Hz, 30m/S ² , X, Y, Z directions/hour	
Cooling mode	Natural air cooling	
Product certification		
Protection grade of	The front panel meets the IP65 requirements,	
complete machine	and the complete machine meets the IP62 requirements	
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		
Configuration software	Kinco DTools V3.5.3 and above	

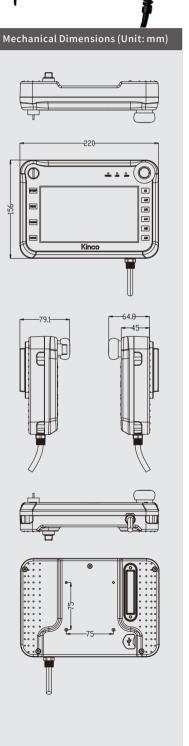
	1
Mechanical Dimen	sions (Unit: mm)
	45.0
156.0 mm	20.0 mm
75	0.52

SZ7G Series Dedicated Handheld Terminal

- Basic specification: 7" TFT, 800 \times 480 pixels, 16.77M true color;
- Standard configuration: 3-option switch, emergency stop switch, holding switch, 10 custom buttons, and 2 indicators:
- Practical design: both buttons and touch control, more applications, more flexible choices;
- Mobile operation: Handheld terminal, Standard configuration: 5m cable;
- · Various installation methods: Suspension mounting, rack mounting, etc.

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Ш		A4
Ш		AC AC
		Kinco
7		
Mech	anica	al Dimensions (Unit: mm)

Model	SZ7G	SZ7GS	SZ7GE	SZ7GES	М
Performance specifications					
LCD size		7"T	FT		
Resolution		800×48	0 pixels		
Display color		16.77M tr	ue color		
Brightness		250 c	d/m²		
Backlight		LE	D		
Touch Screen	4-wire preci	sion resistance ne	twork (surface h	ardness: 4H)	
LCD life		50,000	hours		1
Programmable button		1	0		
Programmable LED		2			
Emergency stop switch		1			7
3-option switch		1			
Handhold switch	None	1	None	1	
Processor		ARM RISC 32	Bit 800MHz		4
Storage	128MBN	IAND Flash Memoi	ry + 128MB DDR3	Memory	
RTC		RT	C		
Expandable storage		1*USE	B Host		
Ethernet	No	one	LAN0:10/	100Mbps	
Program download	Serial port (F	RS232), U disk	U disk, Eth	nernet port	
Communication port	RS485-2	2、RS232	Ethern	et port	_
Electrical specifications					
Input power supply		DC16V~DC32V, b	ouilt-in isolated		
Power consumption		8W@D	C 24V		
Allowable loss of power		<31	ms		
Insulation resistance		Over 50MΩ	@500V DC		
Hi-pot test		500V AC 1	L minute		
Cable length		5r	n		
Structure specifications					
Weight		3k	_		
PCB coating (Yes/No)		No			
Shell color		Bla			
Shell material		Engineeri	0.		
Shape size	_	220×156			
Installation	Rac	ck mounting and s	uspension moun	ting	
Environmental specifications		0~5	.0°C		
Operating ambient temperature					
Operating ambient humidity		10~90% RH (no	O,		
Storage ambient temperature		-10~			
Storage ambient humidity Sine vibration test	10	10~90% RH (no	_		
	10	~500Hz, 30m/S², X,		our	
Cooling mode Product cartification		Natural ai	r cooling		
Product certification	Tl	front non-l	the IDCE require	onto	
Protection grade of		front panel meets to			
complete machine CE authentication		omplete machine n (EN61000-6-4:200			
Software	CE COMPRIANT	(EN01000-6-4:200	77 TAI:2011, EN61	1000-6-2:2005)	
Configuration software		Kinco DTools V3	2.5.3 and above		
Comigulation software		MILLO DI LOUIS VS	and above		



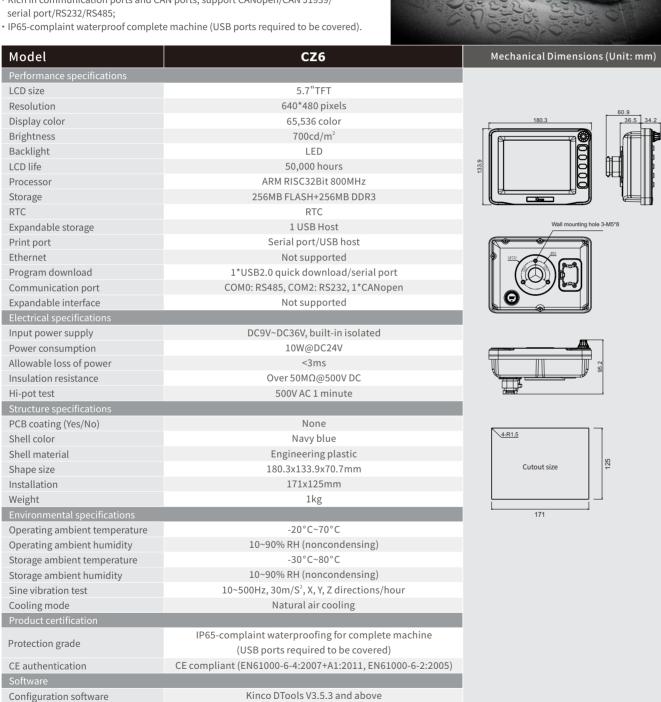
Note: SZ7G is replacement of SZ7(7); SZ7GE is replacement of SZ7E(7).

Industry Specialized Application Series

CZ6 HMI designed

for use in severe environments

- The outer shell adopts high thermostability and high intensity uvioresistant material;
- LCD with a wide range of operating temperature: -20°C~70°C;
- Wider voltage input range: DC9V~DC36V;
- Highly shockproof performance of screen due to the excellent internal structure design and the application of silicone pad;
- Military-grade encoder switch, with longer life and more stable performance;
- Rich in communication ports and CAN ports, support CANopen/CAN J1939/ serial port/RS232/RS485:



Note: CZ6 is a replacement model for KG5300T, KG5509T, and KM5303T.

F10N Waterproof Dedicated Touch Screen

- IP65-compliant shockproof and waterproof rack mounted for complete machine
- Fit the quick experience with the application
- HD display, Main frequency: 800MHz
- Resolution up to 1280x800 pixels, simple and easy
- U disk update, stylish appearance, ultra-thin and ultra-narrow border

Model F10N Mechanical Dimensions (Units mm)	Integrate with industry color matching		Kinco
Display module Display color D	Model	F10N	Mechanical Dimensions (Unit: mm)
Display color Resolution 1280 × 800 pixels Backlight LED Brightness 250cd/m² LCD life 50000H Touch panel 4-wire precision resistance network (surface hardness: 4H) ARM RISC32 Bit 800MHz Storage 128MB FLASH+128MB SDRAM RTC & recipe storage 128MB FLASH+128MB SDRAM RTC & recipe storage 1 USB Host Print port Serial port Ethemet Not supported Program download COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Power consumption 8W@DC24V Allowable loss of power Insulation resistance Prower orsumption Structure specifications Shell color Shell material Engineering plastic Shape size 250 × 167 × 28.4mm Cutout size Standard rack mounting Weight 0-91kg Environmental specifications Operating temperature 0-50°C Operating temperature 0-50°C Operating temperature 10-90% RH (noncondensing) Storage temperature 10-500Hz, 30m/S², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine CE authentication CE compatibility required by FCC Software	Performance specifications		
Resolution 1280×800 pixels Backlight LED Brightness 250cd/m² LCD life 50000H Touch panel 4-wire precision resistance network (surface hardness: 4H) ARM RISC32 Bit 8000MHz Storage 128MB FLASH-128MB SDRAM RTC & recipe storage 11VSB Host Print port Expandable storage 11 USB Host Print port Serial port Ethernet Not supported Program download U disk COmmunication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Etectrical specifications Input power supply DC18V-DC28V, built-in isolated RW@DC24V Allovable loss of power Insulation resistance Over 550MQ@500V DC Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting 0-91kg Environmental specifications Operating temperature 0-50°C Storage humidity 10-90% RH (noncondensing) Shockproof performance Natural air cooling Product certification Product certification Product certification Product certification Product certification Production grade of complete machine CE compatibility required by FCC Software	Display module	10.1" TFT LCD	
Backlight LED Brightness 250.cd/m² LCD life 50000H Touch panel 4-wire precision resistance network (surface hardness: 4H) CPU ARM RISC32 Bit 800MHz Storage 128MB FLASH+128MB SDRAM RTC & recipe storage 512KB + RTC Expandable storage 1 USB Host Prior port Serial port Ethernet Not supported U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Power consumption 8W@DC24V Allowable loss of power - <mmon (noncondensing)="" (rn51000-6+22007+l)2011,="" 0-50°c="" 1="" 10-500hz,="" 10-990%="" 110-990%="" 250×167×28.4mm="" 30m="" 500v="" 50m0@500v="" ac="" air="" authentication="" by="" ce="" certification="" color="" compatibility="" complete="" compliant="" cooling="" cutout="" d990%="" dc="" directions="" en61000-6+22005)="" engineering="" fcc="" finvironmental="" grade="" gray="" hi-pot="" hour="" insulation="" machine="" material="" metallic="" minute="" mode="" mounting="" natural="" of="" operating="" over="" performance="" plastic="" product="" protection="" rack="" required="" resistance="" rh="" shape="" shell="" shockproof="" size="" small="" software<="" specifications="" standard="" structure="" s²,="" td="" temperature="" weight="" x,="" y,="" z=""><td>Display color</td><td>16.77M</td><td></td></mmon>	Display color	16.77M	
Brightness 250cd/m² Touch panel 4-wire precision resistance network (surface hardness: 4H) Touch panel 4-wire precision resistance network (surface hardness: 4H) ARM RISC32 Bit 800MHz Storage 128MB FLASH+128MB SDRAM RIC & recipe storage 512KB + RIC Expandable storage 1 USB Host Print port 5-grial port Ethernet Not supported U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Rower consumption 8W@DC24V -3ams Insulation resistance Over 50M0@500V DC Hi-pot performance 500V AC 1 minute Structure specifications Shell color Metallic gray Shell color Metallic gray Shell color Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0-90% RH (noncondensing) Environmental specifications Operating temperature 0-50°C Operating temperature 0-50°C Operating temperature 10-50°C Storage humidity 10-90% RH (noncondensing) Shockproof performance 10-500Hz, 30m/s/S, X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine 1P65 compliant (4208-93) CE authentication CE compliant (ENci1006-6-2:2005) FCC ClassA compliant CG authentication CE compliant (ENci1006-6-2:2005) Software	Resolution	1280×800 pixels	
LCD life Touch panel 4-wire precision resistance network (surface hardness: 4H) ARM RISC32 Bit 800MHz Storage 128MB FLASH-128MB SDRAM RTC & recipe storage 1 1 USB Host Print port Expandable storage 1 1 USB Host Print port Ethernet Not supported U disk Communication Sinck processor Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply DC18V-DC28V, built-in isolated Note Soft Cave Sams Input power supply Sams Sams Sams Sams Sams Sams Sams Sams	Backlight	LED	
Touch panel 4-wire precision resistance network (surface hardness: 4H) ARM RISC32 Bit 800MHz 128MB FLASH+128MB SDRAM 512KB + RTC Expandable storage 1 USB Host Serial port Ethernet Not supported Program download U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Power consumption Allowable loss of power 4-3ms Insulation resistance Over 50MQ@500V DC HI-pot performance 500V AC 1 minute Structure specifications Shell color Shell material Engineering plastic Shape size 250 X 167 X 28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature 0-50°C Operating humidity 10-90% RH (noncondensing) Storage temperature 1-0-60°C Storage humidity 10-90% RH (noncondensing) Storage femperature 1-0-60°C Cooling mode Product certification Protection grade of complete machine IP65 compliant (4208-93) CE compliant (ENS1000-6-2:2005) FCC ClassA compliant FCC ClassA compliant	Brightness	250cd/m ²	
CPU ARM RISC32 Bit 800MHz Storage 128MB FLASH+128MB SDRAM RTC & recipe storage 512KB + RTC Expandable storage 1 USB Host Print port Serial port Ethernet Not supported U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Rower consumption 8W@DC24V Allowable loss of power 3ms Insulation resistance Over 50MQ@500V DC Hi-pot performance 500V AC 1 minute Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size 250 x 167 x 28.4 mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating temperature Operating temperature Operating temperature Operating humidity 10-90% RH (noncondensing) Storage temperature 10-60°C Storage humidity 10-90% RH (noncondensing) Rockproof performance 10-50°C, X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine CE authentication CE compatibility required by FCC Software FCC ClassA compliant CE compliant (EN61000-64:2007+A1:2011, EN61000-6-2:2005) FCC ClassA compliant	LCD life	50000H	28.4
CPU ARM RISC32 Bit 800MHz Storage 128MB FLASH-128MB SDRAM RTC & recipe storage 512KB FLASH-128MB SDRAM RTC & recipe storage 1 USB Host Serial port Ethernet Not supported U disk Communication port Communication port Communication port Etherical specifications Input power supply DC18V-DC28V, built-in isolated RW@DC24V Allowable loss of power Insulation resistance Over 50M0@500V DC Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size 250 × 167 × 28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating temperature Operating temperature Operating temperature Operating temperature Operating humidity 10-90% RH (noncondensing) Storage temperature 10-60°C Storage humidity 10-90% RH (noncondensing) Rockproof performance 10-500°L, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine CE authentication CE compatibility required by FCC FCC ClassA compliant CE compatibility required by FCC FCC ClassA compliant	Touch panel	4-wire precision resistance network (surface hardness: 4H)	
STICKE recipe storage Expandable storage 1 USB Host Print port Serial port Not supported Program download U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Power consumption 8W@DC24V Allowable loss of power -3ms Insulation resistance Over 50MΩ@500V DC Hi-pot performance 500V AC 1 minute Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature 0-50°C Operating temperature 0-50°C Operating temperature 10-90% RH (noncondensing) Storage temperature 10-90% RH (noncondensing) Storage temperature 10-90% RH (noncondensing) Storage temperature 10-90% RH (noncondensing) Thockproof performance 10-50NHz, 30m/S², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine CE compliant (RN61000-6-4:2007+A1:2011, EN61000-6-2:2005) CCompatibility required by FCC Software	CPU		
Expandable storage Print port Ethernet Not supported Program download U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Roward consumption Roward Cover 500M@500V DC Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size D50x 167 x 28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature 0-50°C Operating temperature 0-50°C Operating humidity 10-90% RH (noncondensing) Storage temperature 10-500Hz, 30m/s², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine CE authentication CE complaint (R061000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC Software	Storage	128MB FLASH+128MB SDRAM	
Expandable storage Print port Ethernet Not supported Program download U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Roward consumption Roward Cover 500M@500V DC Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size D50x 167 x 28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature 0-50°C Operating temperature 0-50°C Operating humidity 10-90% RH (noncondensing) Storage temperature 10-500Hz, 30m/s², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine CE authentication CE complaint (R061000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC Software	RTC & recipe storage	512KB + RTC	p- -d
Ethernet Not supported Program download U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated 8W@DC24V Allowable loss of power Asms Insulation resistance Over 50MΩ@500V DC Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shall material Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating temperature 10-60°C Storage temperature 10-90% RH (noncondensing) Shockproof performance 10-500Hz, 30m/S², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine CE authentication CE compliant (EN61000-6-4:2007-A1:2011, EN61000-6-2:2005) FCC ClassA compliant CE compliant (EN61000-6-4:2007-A1:2011, EN61000-6-2:2005) FCC ClassA compliant		1 USB Host	
Ethernet Not supported U disk Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated Power consumption 8W@DC24V Allowable loss of power	Print port	Serial port	
Program download Communication port COM0: PLC RS485-2W; COM2: PC/PLC RS232 Electrical specifications Input power supply DC18V-DC28V, built-in isolated 8W@DC24V Allowable loss of power -3ms Insulation resistance Over 50MΩ@500V DC Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight Environmental specifications Operating temperature Operating temperature Operating temperature 10-90% RH (noncondensing) Storage temperature 10-90% RH (noncondensing) Shockproof performance 10-500Hz, 30m/S², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine Ec authentication CE compliant (4208-93) CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) FCC ClassA compliant	Ethernet		
Electrical specifications Input power supply DC18V-DC28V, built-in isolated 8W@DC24V Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot performance Structure specifications Shell color Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating humidity 10~90% RH (noncondensing) Storage temperature 10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant	Program download		
Electrical specifications Input power supply DC18V-DC28V, built-in isolated 8W@DC24V Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot performance Structure specifications Shell color Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating humidity 10~90% RH (noncondensing) Storage temperature 10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant	Communication port	COM0: PLC RS485-2W; COM2: PC/PLC RS232	
Input power supply DC18V-DC28V, built-in isolated 8W@DC24V Allowable loss of power Insulation resistance Over 50MC\@500V DC Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight Environmental specifications Operating temperature O-50°C Operating temperature O-50°C Operating humidity 10~90% RH (noncondensing) Storage temperature 10~90% RH (noncondensing) Storage humidity 10~90% RH (noncondensing) Storage humidity 10~90% RH (noncondensing) Storage humidity 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine IP65 compliant (4208-93) CE authentication CE compliant (ENS1000-6-4:2007+A1:2011, ENS1000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	·		
Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot performance Structure specifications Shell color Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating temperature Operating humidity 10-90% RH (noncondensing) Storage temperature 10-50°C Storage humidity 10-90% RH (noncondensing) Storage temperature 10-500Hz, 30m/s², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant		DC18V~DC28V, built-in isolated	
Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot performance Structure specifications Shell color Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating temperature Operating humidity 10-90% RH (noncondensing) Storage temperature 10-50°C Storage humidity 10-90% RH (noncondensing) Storage temperature 10-500Hz, 30m/s², X, Y, Z directions/hour Natural air cooling Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant	Power consumption	8W@DC24V	- -
Hi-pot performance Structure specifications Shell color Shell material Shape size Cutout size Standard rack mounting Weight Environmental specifications Operating temperature Operating humidity Storage temperature Storage humidity Shockproof performance Cooling mode Product certification Protection grade of complete machine CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant		<3ms	
Hi-pot performance Structure specifications Shell color Metallic gray Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature O-50°C Operating humidity 10~90% RH (noncondensing) Storage temperature 10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Insulation resistance	Over 50MΩ@500V DC	73
Shell color Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight Environmental specifications Operating temperature O-50°C Operating humidity 10~90% RH (noncondensing) Storage temperature 10~50°RH (noncondensing) Storage temperature 10~50°RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine IP65 compliant (4208-93) CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Hi-pot performance	500V AC 1 minute	100
Shell color Shell material Engineering plastic Shape size 250×167×28.4mm Cutout size Standard rack mounting Weight Environmental specifications Operating temperature O-50°C Operating humidity 10~90% RH (noncondensing) Storage temperature 10~50°RH (noncondensing) Storage temperature 10~50°RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine IP65 compliant (4208-93) CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Structure specifications		
Shape size Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating humidity Storage temperature 10~90% RH (noncondensing) Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Shell color	Metallic gray	24 0
Shape size Cutout size Standard rack mounting Weight 0.91kg Environmental specifications Operating temperature Operating humidity Storage temperature 10~90% RH (noncondensing) Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Shell material		30
Weight 0.91kg Environmental specifications Operating temperature 0~50°C Operating humidity 10~90% RH (noncondensing) Storage temperature -10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine IP65 compliant (4208-93) CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Shape size	250×167×28.4mm	
Environmental specifications Operating temperature O~50°C Operating humidity 10~90% RH (noncondensing) Storage temperature 10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Cutout size	Standard rack mounting	
Environmental specifications Operating temperature O~50°C Operating humidity 10~90% RH (noncondensing) Storage temperature -10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Weight	0.91kg	73—
Operating humidity Storage temperature -10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	-		
Operating humidity 10~90% RH (noncondensing) 5torage temperature -10~60°C Storage humidity 10~90% RH (noncondensing) Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Natural air cooling Product certification Protection grade of complete machine IP65 compliant (4208-93) CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software		0~50°C	
Storage temperature Storage humidity Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software		10~90% RH (noncondensing)	250
Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Storage temperature	-10~60°C	
Shockproof performance 10~500Hz, 30m/S², X, Y, Z directions/hour Cooling mode Product certification Protection grade of complete machine CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Storage humidity	10~90% RH (noncondensing)	
Cooling mode Product certification Protection grade of complete machine CE authentication CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	*	10~500Hz, 30m/S ² , X, Y, Z directions/hour	E10N
Protection grade of complete machine IP65 compliant (4208-93) CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software	Cooling mode	Natural air cooling	167 FION
Protection grade of complete machine IP65 compliant (4208-93) CE authentication CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005) Compatibility required by FCC FCC ClassA compliant Software			
Compatibility required by FCC FCC ClassA compliant Software		IP65 compliant (4208-93)	Maso
Software	CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
	Compatibility required by FCC	FCC ClassA compliant	
Configuration software Kinco DTools V3.5.3 and above	Software		
	Configuration software	Kinco DTools V3.5.3 and above	

Note: F10N is replacement of F7, F10 and F10W.

G100E-LRF

Waterproof Dedicated Touch Screen

IP65-compliant shockproof and waterproof complete machine
Three download methods, efficient and convenient
With IoT function built-in, support teleservice



Model	G100E-LRF	Mechanical Dimensions (Unit: mm
Performance specifications		
Display size	10.1"TFT	
Display area	222.72(W)x125.28(H)	271.0 mm
Resolution	1,024*600 pixels	
Display color	16.2M true color	
Contrast ratio	500:1	191.0 mm
Backlight	LED	19
Brightness	300cd/m ²	Kinco
Backlight life	More than 30,000 hours	·
Touch panel	4-wire precision resistance network (surface hardness: 4H)	
Processor	ARM RISC 32Bit 792MHz	
Storage	128MB NAND Flash Memory + 128MB DDR3 Memory	257.7 mm
RTC	Built-in	
Expandable storage	1 USB Host	
Print port	USB host/serial port	0 0 0 0
Ethernet	LAN0:10/100 Mbps	4 → 35.5 mm
Program download	USB Slave/U disk/Ethernet port	6.5 mm (including sealing ring)
Communication port	COM0:RS232/RS485;COM2:RS232	
Electrical specifications		
Input power supply	DC10V~DC28V	1.7.7.
Power consumption	6W @DC24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	U U
Hi-pot test	500 VAC 1 minute	38.7 mm 49.5 mm
Structure specifications		
Shell material	Engineering plastic	→ 75.0 mm →
Shape size	280×193×36mm	•
Cutout size	260×180mm	
Weight	0.9kg	
Environmental specifications		
Operating temperature	0~50°C	
Operating humidity	10~90% RH (noncondensing)	
Storage temperature	-20∼60°C	42.4 mm
Storage humidity	10~90% RH (noncondensing)	260.0 mm
Shockproof performance	10~500Hz, 30m/S², X, Y, Z directions/hour	1
Cooling mode	Natural air cooling	
Product certification		Cutout size
Protection grade of complete machine	IP65 compliant (4208-93)	180
CE authentication	CE compliant (EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software		1
Configuration software	Kinco DTools V4.1 and above	

G100E2-WIFi-PR01

Waterproof Dedicated Touch Screen

- The operating temperature of the whole machine is -20~70°C
- Standard dual network ports +WiFi for remote debugging
- The main board is sprayed with three anti-paint to resist condensation
- Full metal shell, strong anti-interference ability
- Full fit process, look and feel similar to capacitive screen



Tutt itt process, took and reet similar to e		
Model	G100E2-WIFi-PR01	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	10.1"TFT	
Display area	222.72*125.28mm	
Resolution	1024*600 pixels	
Display color	16.7M	
Display angle of view	85/85/85/85(left/right/up/down)	
Contrast ratio	800:1	
Backlight	LED	
Brightness	250cd/m ²	199
Backlight life	> 30000hours	
Touch panel	4-wire precision resistance network(surface hardness: 3H)	254
Processor	ARM RISC 32Bit 800MHz	
Storage	256MB NAND Flash Memory + 256MB DDR3 Memory	0
RTC	Built-in	
Expandable storage	1 USB Host	
Print port	USB host/serial port	
Ethernet	LAN0:10/100Mbps LAN1:10/100Mbps	
Program download	USB Slave (Micro USB)/U disk/Ethernet port	
Communication port	COM0: RS232/485/422; COM1: 485/422/CAN; COM2: RS232;	
Electrical specifications		
Input power supply	DC18V~DC28V, built-in isolated	
Power consumption	15W@DC24V	° ° °
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	0 288
Hi-pot test	500V AC 1 minute	
Structure specifications		
PCB coating (Yes/No)	Yes	192
Shell material	Metallic	///////////////////////////////////////
Shape size	166 × 254 × 32.6 mm	
Cutout size	192 × 138 mm	
Weight	1.65 kg	
Environmental specifications		
Operating ambient temperature	-20 ~70 °C	
Operating ambient humidity	10 ~90 % RH (noncondensing)	
Storage ambient temperature	-30 ~80 °C	
Storage ambient humidity	10 ~90 % RH (noncondensing)	
Sine vibration test	10 ~500 Hz, 30 m/s ² , X, Y, Z directions/1 hour	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	IP65 compliant (4208-93)	
CE authentication	CE compliant (EN61000-6-4:2019,EN61000-6-2:2019)	
Software		
Configuration software	Kinco DTools V4.1 and above	

-5 4

Configuration software: **Kinco DTools**





Kinco HMI with a new generation of free configuration software: Kinco DTools. Support eight language versions, including simplified Chinese, traditional Chinese, English, Korean, German, Russian, Turkish and Arabic. Configuration design content supports all installed fonts on your computer system.

The IoT function supports Cloud data acquisition and storage; supports terminal interoperation from screen (VNC) to screen or from screen to computer, or mobile phone, etc.; supports payment by installments, PDF browsing, operation log and other convenient control design. The wizard guide interface adopts humanized design, making what you see is what you get, so that you can get started quickly.















