PROVEN PERFORMANCE

Customers in over 60 countries and in diverse markets and sectors.



Kinco

HMI Touch Screen

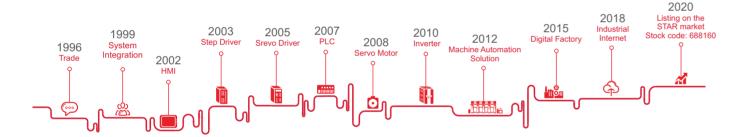
○ Kinco HMI Catalog

- GREEN Series
- FUTURE Series
- Customized Series



About us





Shanghai Kinco Co., Ltd. specializes in research and development, production, sales and technical services of mobility standard products and intelligent hardware products, and is China's leading supplier of machine mobility and intelligent solutions. In 1996, Bucco relied on the HMI, servo system, stepping system, programmable logic controller PLC, low voltage inverter and other standard automation products to provide the whole world with moving equipment manufacturers. Solution, let China move the banner of the solution to the whole world. The company's mechanical products have led the popularization of HMI in China, and its market share has remained a leading position among the brands for many years.

The company's mission is to "make Chinese manufacturing the world's top manufacturing". It insists on the research and development of technology platform for resource precession, and has research and development institutions in Shanghai, Shenzhen and Changzhou. The company already has a comprehensive range of controls, drivers, Mobile technology platforms for machine interaction, communication and mechatronic design. In the field of machine movement, Kinco focuses on the industry and has developed machines suitable for logistics movement, service machines, medical instruments, professional machines and 3C machines. Special solutions for bed, ozone and other industries.

In the field of Smart factory, Kinco aims at the on-site management layer, PLC control and communication layer, Scada and system integration layer of manufacturing enterprises through the perfect dynamic technology platform and software system developed for intelligence. MES management provides the easiest intelligent solution for customers.

Kinco takes "wisdom makes good life" as its vision and adheres to the values of "conscience makes success, craftsman makes innovation". Kinco is a platform for helping employees to develop their creative potential as much as possible and a partner to help customers achieve success in their innovative operation. We develop our products and business with innovative thinking and real spirit, adhere to our ideals, and hope that the creation of the class will make the world more beautiful.

CONTENTS

GREEN Series Description

03 GREEN Series Description

Enhanced Type

07 GH043/GH043E 08 GH043U2/GH043EU2 09 GH070/GH070E 10 GH104E

11 GH150E

Standard Type

12 G070/G070E/G070E-CAN

3 G100/G100E

14 G121E

Economy Type

15 GL043/GL043E 16 GL070/GL070E 17 GL100/GL100E 18 GL104E 19 GL150E

IoT Type

GT070E/GT070E-WiFi/GT070E-4G
 GT100E/GT100E-WiFi/GT100E-4G
 GW01/GW01-WiFi/GW01-4G

FUTURE Series Description

23 FUTURE Series Description

FUTURE Series

24 **F070E**

25 **F080E**

26 F104E/F104E-CAN

27 F150E

28 xF-SiHMI01

Customized Series

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

30 Handheld Terminal : SZ7G/SZ7GS/SZ7GE/SZ7GES

31 Construction Machinery: CZ6/CZ10

33

Features of configuration software: DTools

34

Description of alternative and discontinued products

Focusing on industrial human-machine interface for 18 years we continue to provide high-quality products

The GREEN series is a new generation of industrial human machine interface. It adopts new architecture design, rigorous craft support, which makes it become paradigm in high-quality human machine interface.

The GREEN series adopts mainstream processor in the market. Not only does it ensure the product's life time, but also greatly improves the performance of the product.



Powerful hardware and software More comprehensive upgrades

Structure

New structure & exquisite body

Kernel

Kernel, version upgrades, more stable performance

Material Science

Higher hardness and intensity; Higher temperature resistance

CPU

CPU Freescale industrial class 800MHz

Color

16.7M (24 bits) true color *Except for a few models

Memory

The memory DDR3 is upgraded to 128M

Kinco 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.

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

GREEN Series contains multiple subseries:



Enhanced Type 4.3"-17"

- Up to 4 serial ports (excluding 4.3"), Ethernet
- Standard USB master port, slave port
- Built-in isolation power, serial port isolation (Ethernet model)
- Coating in mainboard



Standard Type 7", 10",12"

- 3 serial port, Ethernet - Standard USB main port,
- slave port

 Built-in isolation power supply
- Coating in mainboard



- 2 serial port, Ethernet
- Standard USB master port, slave port (excluding 4.3")



- WiFi, 4G, Ethernet

Kinco HMI Teleservice

- A value adding function for OEM

This dedicated teleservice is based on Kinco Edgeacess Iot platform.

Advantages:

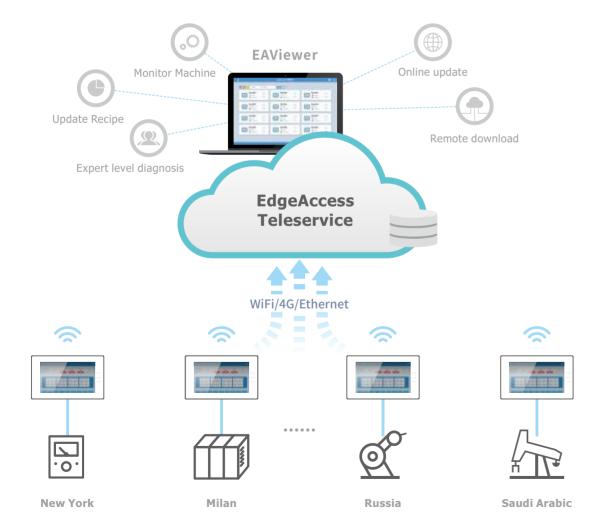
Easy to set up, Low cost, Reliable, High level data safety and No location limitation to access the machines.

Applications:

- HMI desktop access: Remotely monitor the machine in real time.
- Program update: Remotely download program to HMI and PLC program.
- Expert level Diagnosis: Remotely diagnose machine HMI and PLC program.
- Online update :Remotely update machine new recipe.

Support models:

- FUTURE series
- GREEN IOT GT series
- GREEN Gateway GW series
- GREEN Enhanced GH***E series
- GREEN Standard G***E series
- GREEN Economic GL104E ,GL150E

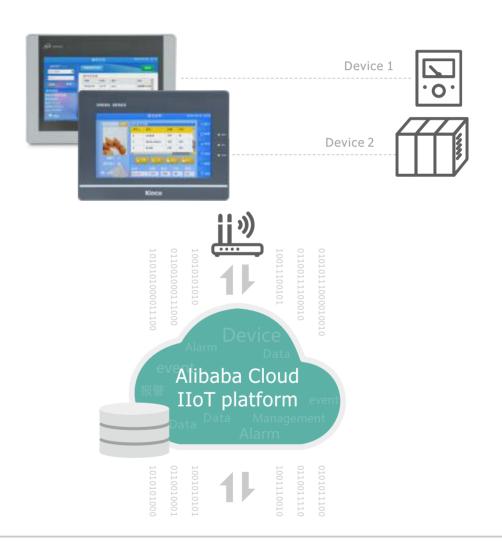


Easily Connect with Alibaba Cloud IIoT Platform

Help you to launch a new Industrial Internet Generation

The cloud IIoT solution of Green Series is able to help devices to connect with Cloud, and implement data transformation between device and cloud, device and device, and device to people.

- Monitor the operating status in real time
- Data acquisition assists with data analysis , product optimization and pre maintenance
- Report Fault alarm instantly
- Cost saving and no extra investment cost





Computer terminal



Mobile terminal

06

^{*} GREEN series models with Ethernet ports support this function.

Enhanced Type

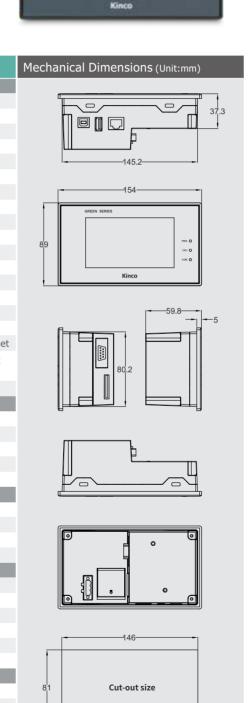
GH Series

GH043/GH043E

- Preferred models for subway, high-speed railway and other rail transit.
- Main board Three-denfence treatment to effectively deal with complex environment.
- Built-in isolation power to enhance reliability.
- Classic shape, hidden serial port outlet.



Model	GH043	GH043E	Mechanical Dimensions (Unit:mm)
Performance specification			
Display size	4.3"	TFT	
Display area	95.04mm(W)	*53.86mm(H)	
Resolution	480*27	2 pixels	
Display color	16.7M tr	rue color	
Display angle of view	70/70/50/70(left	t/right/up/down)	145.2
Contrast ratio	500	0:1	
Backlight	LE	ED	154
Brightness	300c	d/m²	GREEN SERIES
Backlight life	More than 3	30000 hours	
Touch panel	4 line precision resistance ne	etwork (surface hardness 4H)	700 9
CPU	ARM RISC 3	2Bit 800MHz	89
Storage	128MB NAND Flash Memo	ory+128MB DDR3 Memory	con O
RTC	Buil	lt-in	Kinco
Extensible memory	1 USB Host	1 USB Host + 1 SD Card	
Print port	USB Host/serial port	USB Host/serial port	59.8
Ethernet	None	10/100M self-adaption	
Program download	USB Slave(Type B)/U disk	USB Slave(Type B)/U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422 COM2:RS232	COM0:RS232/RS485/RS422 COM2:RS232	80,2
Serial port isolation	None	None	
Electrical specifications			
Input power supply	DC10.8V~DC28V, Built-i	n isolation power supply	e B
Rated power	3.5W @	24V DC	
Allowable loss of power		ms	<u> </u>
Insulation resistance	Over 50MΩ	Over 50M \(\Omega 6500 \text{V DC} \)	
Hi-pot test	500 VAC 1 minute		
Structure specifications			
Shell material	Engineeri	ng plastic	
Shape size		*60 mm	
Cutout size	146*8	31 mm	
Weight	0.4	łKg	
Environmental specifications			
Operating ambient temperature	-20° C	~ 55° C	' ∥ គ] ∥
Operating ambient humidity	10% to 90% n		
Storage ambient temperature	-25° C		
Storage ambient humidity	10% to 90% noncondensing		
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour		146-
Cooling mode	Natural air cooling		1
Product certification			
Panel protection grade	Conforming to IP65 certification(4208-93)		81 Cut-out size
CE authentication		2011, EN61000-6-2:2005	
Software		, =	
Configuration software	Kinco DTools \	/3.3 and above	
John Jaration Jordinare	111100 0 10013		





GH043U2/GH043EU2

- Preferred models for subway, high-speed railway and other rail transit.
- Main board Three-denfence treatment to effectively deal with complex environment.
- Built-in isolation power to enhance reliability.
- Dual USB Host, front and rear can be connected to USB devices or U disk.



Model	GH043U2	GH043EU2
Performance specification		
Display size	4.3	"TFT
Display area	95.04mm(W)	*53.86mm(H)
Resolution	480*27	72 pixels
Display color	16.7M t	rue color
Display angle of view	70/70/50/70(lef	t/right/up/down)
Contrast ratio	50	0:1
Backlight	L	ED
Brightness	3000	cd/m²
Backlight life	More than 3	30000 hours
Touch panel	4 line precision resistance ne	etwork (surface hardness 4H)
CPU	ARM RISC 3	2Bit 800MHz
Storage	128MB NAND Flash Memo	ory+128MB DDR3 Memory
RTC	Bui	ilt-in
Extensible memory	2 USB Host	2 USB Host + 1 SD Card
Print port	USB Host*2/serial port	USB Host*2/serial port
Ethernet	None	10/100M self-adaption
Program download	USB Slave(Type B)/U disk	USB Slave(Type B)/U disk/Ethernet
Communication port	COM0:RS232/RS485/RS422 COM2:RS232	COM0:RS232/RS485/RS422 COM2:RS232
Serial port isolation	None	None
Electrical specifications		
Input power supply	DC10.8V~DC28V. Built-	in isolation power supply
Rated power		024V DC
Allowable loss of power	_	Bms
Insulation resistance	Over 50M C	2@500V DC
Hi-pot test		1 minute
Structure specifications	300 17.0	
Shell material	Fngineer	ing plastic
Shape size	_	*60 mm
Cutout size		81 mm
Weight		4Kg
Environmental specifications	0	TK9
Operating ambient temperature	350 C	~ 55° C
Operating ambient temperature Operating ambient humidity		
· · ·		noncondensing ~ 60° C
Storage ambient temperature		
Storage ambient humidity		noncondensing
Sine vibration test		X, Y, Z direction/hour
Cooling mode	Natural a	air cooling
Product certification		
Panel protection grade		certification(4208-93)
CE authentication	EN61000-6-4:2007+A1:	2011, EN61000-6-2:2005
Software		
Configuration software	Kinco DTools	V3.3 and above

Note: GH043 is replacement of MT4210T. GH043E is replacement of MT4220TE. Programming of MT4000 can be used for Green series HMI after edited by DTools.

Enhanced Type

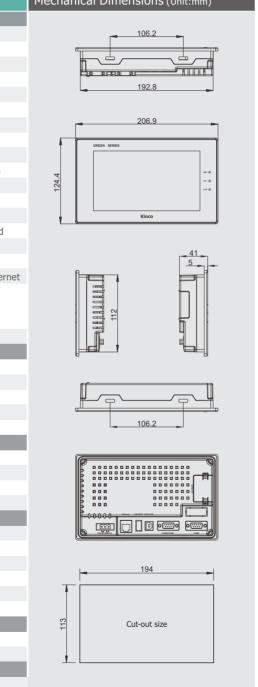
GH Series

GH070/GH070E

- Suitable for high reliability expected situations
- Three anti spraying + multiple isolation more reliable
- Up to four serial port +SD card expansion
- Artistically ultra-narrow border



Model	GH070	GH070E	Mechanical Dimensions (Unit:mm)
Performance specification			
Display size	7'	"TFT	106.2
Display area	154.08mm(V	V)*85.92mm(H)	- In
Resolution		180 pixels	
Display color		true color	
Display angle of view	70/70/50/70(le	eft/right/up/down)	192.8
Contrast ratio		00:1	
Backlight	I	LED	206.9
Brightness	400	Ocd/m²	GREEN SERIES
Backlight life	More than	30000 hours	GREEN SERVES
Touch panel		network (surface hardness 4H)	
CPU		32Bit 800MHz	4.
Storage		nory+128MB DDR3 Memory	
RTC		uilt-in	Kinco
Extensible memory	1 USB Host	1 USB Host + 1 SD Card	
Print port	USB Host/serial port	USB Host/serial port	
Ethernet	None	10/100M self-adaption	41
Program download	USB Slave(Type B)/U disk	USB Slave(Type B)/U disk/Ethernet	
Communication port	COM0:RS232 COM1:RS232	2/RS485/RS422 2/RS485/RS422 2, COM3:RS485	
Serial port isolation	None	Built-in	
Electrical specifications			
Input power supply	DC12V~DC28V,Built-i	n isolation power supply	
Rated power	5W @	024V DC	
Allowable loss of power	<	3ms	
Insulation resistance	Over 50M	Ω@500V DC	
Hi-pot test	500 VAC 1 minute		106.2
Structure specifications			
Shell material	Enginee	ring plastic	
Shape size	207*12	25*41 mm	
Cutout size	194*	113 mm	> 000 000000
Weight	0	.6Kg	
Environmental specifications			
Operating ambient temperature	-10° C	C ~ 55° C	
Operating ambient humidity	10% to 90%	noncondensing	
Storage ambient temperature	-20° C	C ~ 60° C	194
Storage ambient humidity	10% to 90%	noncondensing	134
Sine vibration test	10~500Hz, 30m/s ² ,	, X, Y, Z direction/hour	T
Cooling mode	Natural	air cooling	
Product certification			€ Cut-out size
Panel protection grade	Conforming to IP65	certification(4208-93)	
CE authentication		:2011, EN61000-6-2:2005	
Software			1
Configuration software	Kinco DTools	V3.3 and above	



Note: GH070 is replacement of MT4404T, GH070E is replacement of MT4424TE. Programming of MT4000 can be used for Green series HMI after edited by DTools.

09



GH104E

- Suitable for high reliability expected situations
- Three anti spraying + multiple isolation more reliable
- Up to four serial port +SD card expansion
- Industrial screen ratio 4:3, display area is 20% higher than the wide-screen



Model	GH104E	Mechanical Dimensions (Unit:m	ım)
Performance specification			
Display size	10.4"TFT		
Display area	211.20mm(W)*158.40mm(H)	310	[
Resolution	800*600 pixel		
Display color	16.7M true color		
Display angle of view	70/70/60/70(left/right/up/down)		
Contrast ratio	500:1	530	Ì
Backlight	LED		
Brightness	350cd/m ²		Ē
Backlight life	More than 30000 hours		C
Touch panel	4 line precision resistance network (surface hardness 4H)	· •	
CPU	ARM RISC 32Bit 800MHz		
Storage	128MB NAND Flash Memory+128MB DDR3 Memory		
RTC	Built-in		
Extensible memory	1 USB Host + 1 SD Card	4 5	
Print port	USB Host/serial port	! ! #	
Ethernet	10/100M self-adaption		
Program download	USB Slave(Type B)/U disk/Ethernet		
Communication port	COM0:RS232/RS485/RS422 COM1: RS232/RS485/RS422 COM2:RS232, COM3: RS485	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Serial port isolation	Built-in		
Electrical specifications			
Input power supply	DC10.8V~DC28V, Built-in isolation power supply		
Rated power	8W @24V DC		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC 1 minute		
Structure specifications			
Shell material	Engineering plastic		T
Shape size	310*230*56 mm		
Cutout size	299*219 mm		
Weight	1.715Kg	Cut-out size	219
Environmental specifications			
Operating ambient temperature	-10° C ~ 55° C		
Operating ambient humidity	10% to 90% noncondensing		1
Storage ambient temperature	-20° C ~ 60° C	299	
Storage ambient humidity	10% to 90% noncondensing		
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour		
Cooling mode	Natural air cooling		
Product certification			
Panel protection grade	Conforming to IP65 certification(4208-93)		
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005		
Software			

Note: GH104E is replacement of MT4523TE.

Programming of MT4000 can be used for Green series HMI after edited by DTools.

Standard Type

GH Series

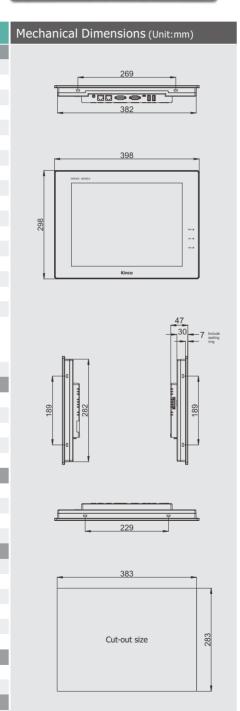
15"

GH150E

- It is suitable for high reliability expected situations
- Three anti spraying + multiple isolation more reliable
- Up to four serial port +SD card expansion
- Fashion design, graceful and decent



Model	GH150E	Mechanical Dimensions (Unit:mm)
Performance specification		
Display size	15"TFT	269
Display area	304.13mm(W)*228.10mm(H)	209
Resolution	1024*768 pixels	
Display color	65536 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	OREM SERVES
Backlight life	50000 hours	
Touch panel	4 line precision resistance network (surface hardness 4H)	
CPU	ARM RISC 32Bit 800MHz	887
Storage	128MB NAND Flash Memory+128MB DDR3 Memory	0N
RTC	Built-in	
Extensible memory	1 USB Host + 1 SD Card	
Print port	USB Host/serial port	Kinco
Ethernet	10/100M self-adaption	
Program download	USB Slave(Micro USB)/U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232, COM3:RS485	47 30 7 broads sading
Serial port isolation	Built-in	
Electrical specifications		
Input power supply	DC10.8V~DC28V,Built-in isolation power supply	
Rated power	16W @24V DC	189
Allowable loss of power	<3ms	
Insulation resistance	Over 50M Ω @500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		
Shell material	Engineering plastic	
Shape size	398*298*47 mm	
Cutout size	383*283 mm	229
Weight	3Kg	229
Environmental specifications		
Operating ambient temperature	-10° C ~ 55° C	000
Operating ambient humidity	10% to 90% noncondensing	383
Storage ambient temperature	-20° C ~ 60° C	
Storage ambient humidity	10% to 90% noncondensing	
Sine vibration test	10~500Hz, 30m/s ² , X, Y, Z direction/hour	
Cooling mode	Natural air cooling	Cut-out size
Product certification		
Panel protection grade	Conforming to IP65 certification(4208-93)	
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	
Software		





G070/G070E/G070E-CAN

- Three anti spraying + built-in isolation power to enhance reliability
- High brightness liquid crystal provide better display effect
- CAN port is supported
- Three series ports meet diverse needs



Model	G070	G070E	G070E-CAN	Mechanical Dimen	sions (Un
Performance specification					
Display size		7"TFT		The c	
Display area	15	4.08mm(W)*85.92mm	n(H)		~
Resolution		800*480 pixels		18	39.7 ———
Display color		16.7M true color			
Display angle of view	70/7	0/60/70(left/right/up/	down)	20	04
Contrast ratio		500:1		GREEN SERIES	
Backlight		LED			
Brightness		400cd/m ²			
Backlight life		More than 30000 hour	S		
Touch panel	4 line precision re	esistance network (sur	face hardness 4H)		
CPU	-	ARM RISC 32Bit 800MF	· · · · · · · · · · · · · · · · · · ·		
Storage	128MB NAND	Flash Memory+128MB	DDR3 Memory	Kir	nco
RTC		Built-in			
Extensible memory		1 USB Host			
Print port		USB Host/serial port			
Ethernet	None	10/100M s	self-adaption	<u>-</u>	
Bus interface	None	None	1*CANopen		
Program download	USB Slave(Micro USB)/U disk	USB Slave(Micro US	SB)/U disk/Ethernet		
Communication port	CC	DM0:RS232/RS485/RS4 COM1:RS485/RS422 COM2:RS232	422		
Electrical specifications					
Input power supply	DC12V~DC	28V, Built-in isolation p	oower supply	135.	
Rated power		3.8W @24V DC			1
Allowable loss of power		<3ms			
Insulation resistance		Over 50MΩ@500V DC			
Hi-pot test		500 VAC 1 minute			
Structure specifications					0 (
Shell material		Engineering plastic		999	999
Shape size		204*150*37 mm			000
Cutout size		192*138 mm			000
Weight		0.5Kg		Product Elle Alle conscion.	
Environmental specifications					
Operating ambient temperature		0° C ~ 50° C			
Operating ambient humidity	10	% to 90% noncondens	sing		
Storage ambient temperature		-20° C ~ 60° C		l = 19	92
Storage ambient humidity	10	% to 90% noncondens	sing	a	
Sine vibration test	10~500H	z, 30m/s², X, Y, Z dire	ction/hour	R	
Cooling mode		Natural air cooling			
Product certification				Cuto	out cize
Panel protection grade	Conformi	ng to IP65 certification	1(4208-93)	Cut-o	out size
CE authentication	EN61000-6-4	:2007+A1:2011, EN61	1000-6-2:2005		
Software					
Configuration software	Kir	nco DTools V3.3 and al	nove		

Note: GH150E is replacement of MT4720TE.

Programming of MT4000 can be used for Green series HMI after edited by DTools.

Note: G070 is replacement of MT4414T, G070E is replacement of MT4414TE, G070E-CAN is replacement of MT4414TE-CAN. Programming of MT4000 can be used for Green series HMI after edited by DTools.

Standard Type



G100/G100E

- Preferred model in food industry
- Three anti spraying + built-in isolation power to enhance reliability
- Three series ports meet diverse needs
- 1024*600 high resolution to meet various needs



Model	G100	G100E	Mechanical Dimensions (Unit:mm)
Performance specification			
Display size	10.:	1"TFT	215
Display area	222.72mm(W))*125.28mm(H)	
Resolution	1024*6	500 pixels	
Display color	16.7M t	true color	
Display angle of view	75/75/60/60(le	ft/right/up/down)	297.5
Contrast ratio	50	00:1	310.6
Backlight	L	.ED	
Brightness	350	cd/m²	
Backlight life	More than	30000 hours	
Touch panel	4 line precision resistance n	etwork (surface hardness 4H)	
CPU	ARM RISC 3	32Bit 800MHz	
Storage	128MB NAND Flash Mem	ory+128MB DDR3 Memory	
RTC	Bu	ilt-in	Kinco
Extensible memory	1 US	B Host	
Print port	USB Host	:/serial port	
Ethernet	None	10/100M self-adaption	
Program download	U disk	U disk/Ethernet	215
Communication port	COM1:RS	2/RS485/RS422 485/RS422 :RS232	54.9
Electrical specifications			
Input power supply	DC10.8V~DC28V, Built-in isolation power supply		217.5
Rated power	6W @24V DC		217.5
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC	C 1 minute	
Structure specifications			
Shell material	Engineer	ring plastic	
Shape size	310*23	0*55 mm	D D D
Cutout size	299*2	219 mm	5 8000000
Weight	1.	8Kg	
Environmental specifications			
Operating ambient temperature	-10° C	~ 50° C	
Operating ambient humidity	10% to 90%	noncondensing	
Storage ambient temperature	-20° C	~ 60° C	299
Storage ambient humidity	10% to 90%	noncondensing	299
Sine vibration test	10~500Hz, 30m/s²,	X, Y, Z direction/hour	T .
Cooling mode	Natural	air cooling	
Product certification			0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Panel protection grade	Conforming to IP65	certification(4208-93)	Cut-out size
CE authentication	EN61000-6-4:2007+A1:	:2011, EN61000-6-2:2005	
Software			
Configuration software	Kinco DTools	V3.4 and above	

Note: G100 is replacement of MT4512T, G100E is replacement of MT4512TE.

Programming of MT4000 can be used for Green series HMI after edited by DTools.



G121E

- Advanced platform : NXP industrial-grade CPU, supply more than 10 years
- industrial display: 12.1", 4:3 ratio, provides bigger display area, highlights, and clarity
- Rich in storage : support external SD card, usb flash drive, up to 256GB
- Perfect protection : built-in serial port isolation, power supply, enhance reliability



Model	G121E	Mechanical Dimensions (Unit:mm)
Performance specification		215
Display size	12.1"TFT	210
Display area	246mm(W)*184.5mm(H)	
Resolution	800*600 pixels	
Display color	65535 color	297.5
Display angle of view	80/80/65/75(left/right/up/down)	310.6
Contrast ratio	800:1	
Backlight	LED	4
Brightness	400cd/m ²	
Backlight life	50000 hours	φ
Touch panel	4 line precision resistance network (surface hardness 4H)	330.6
CPU	ARM RISC 32Bit 800MHz	
Storage	128MB NAND Flash Memory+128MB DDR3 Memory	Elnco
RTC	Built-in	
Extensible memory	1 USB Host + 1 SD Card	
Print port	USB Host/serial port	
Ethernet	10/100M self-adaption	215
Program download	USB Slave(Micro USB)/U disk/Ethernet	210
.3	COM0:RS232/RS485/RS422	54.9
Communication port	COM1:RS485/RS422	4
	COM2:RS232	
Electrical specifications		
Input power supply	DC12V~DC28V, Built-in isolation power supply	217.5
Rated power	10.8W @24V DC	217.5
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		
Shell material	Engineering plastic	
Shape size	350*260*54 mm	5 000000 O O O O O O O O O O O O O O O O
Cutout size	340*250 mm	
Weight	2.2Kg	
Environmental specifications		
Operating ambient temperature	-10° C ∼ 55° C	
Operating ambient humidity	10% to 90% noncondensing	
Storage ambient temperature	-20° C ∼ 60° C	299
Storage ambient humidity	10% to 90% noncondensing	
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour	1
Cooling mode	Natural air cooling	
Product certification		O Cut-out size
Panel protection grade	Conforming to IP65 certification(4208-93)	Cut-out size
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	
Software		+
Configuration software	Kinco DTools V3.4 and above	
J		

Note: G121E is replacement of MT4620TE.

Programming of MT4000 can be used for Green series HMI after edited by DTools.

Economy Type

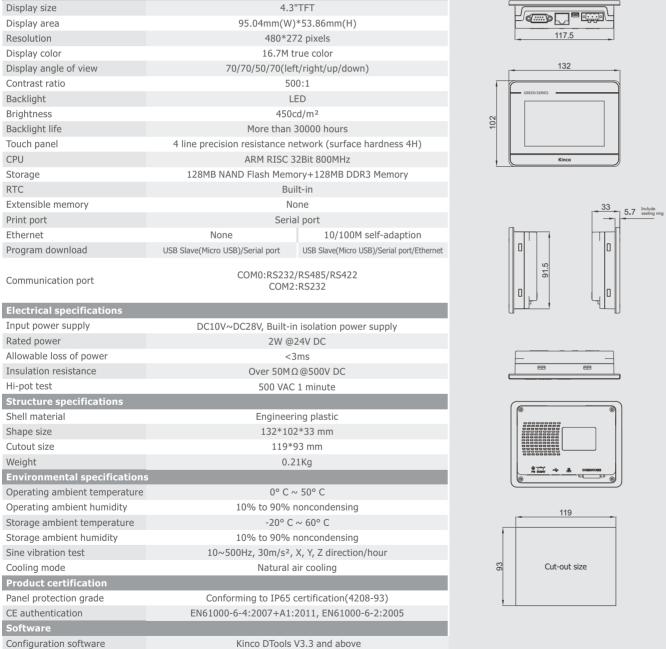
GL Series

GL043/GL043E

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



Model	GL043	GL043E	Mechanica	Dimensions (Unit:
Performance specification				
Display size	4.3	'TFT		
Display area	95.04mm(W)	*53.86mm(H)		
Resolution	480*27	'2 pixels		117.5
Display color	16.7M t	rue color		
Display angle of view	70/70/50/70(lef	t/right/up/down)	j-	132
Contrast ratio	500:1		1	
Backlight	LI	ED		GREEN SERIES -
Brightness	4500	cd/m²		
Backlight life	More than :	30000 hours	102	
Touch panel	4 line precision resistance ne	etwork (surface hardness 4H)		
CPU	ARM RISC 3	2Bit 800MHz	↓	Kinco
Storage	128MB NAND Flash Memo	pry+128MB DDR3 Memory	<u> </u>	
RTC		lt-in		
Extensible memory	No	one		. 33
Print port	Seria	ll port		- 55
Ethernet	None	10/100M self-adaption	Π	
Program download	USB Slave(Micro USB)/Serial port	USB Slave(Micro USB)/Serial port/Ethernet		
	oob state(. italo oob)//odi.tal pore	obb olare(. mare obb)// oct.tal porty zaremet		ا ا
Communication port		/RS485/RS422 :RS232		
Electrical specifications			U	
Input power supply	DC10V~DC28V, Built-ir	i isolation power supply		
Rated power	2W @	24V DC		
Allowable loss of power	<3	ims		F
Insulation resistance	Over 50M C	2@500V DC	_	8 8
Hi-pot test	500 VAC 1 minute		_	
Structure specifications				
Shell material	Engineer	ing plastic		(©
Shape size	132*102	2*33 mm		00000000
Cutout size	119*9	93 mm		00000000
Weight	0.2	1Kg		
Environmental specifications				© CONNOCONS
Operating ambient temperature	0° C ^	, 50° C		
Operating ambient humidity		noncondensing		440
Storage ambient temperature		~ 60° C		119
Storage ambient humidity		noncondensing	1	
Sine vibration test		X, Y, Z direction/hour		
Cooling mode	Natural air cooling		03	Cut-out size
Product certification				
Panel protection grade	Conforming to IP65	certification(4208-93)		
CE authentication		2011, EN61000-6-2:2005	<u></u>	
Software	L.101000 0 112307 1711			



Note: GL043 is replacement of MT4230T. GL043E is replacement of MT4230TE. Programming of MT4000 can be used for Green series HMI after edited by DTools.



GL070/GL070E

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



Model	GL070	GL070E	Mechanical Dimensions (Unit
Performance specification			
Display size		7"TFT	T
Display area	154.08mm(W)*85.92mm(H)	₩₩₩₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽
Resolution	800*	480 pixels	189.7
Display color	16.7N	1 true color	204
Display angle of view	70/70/50/70(left/right/up/down)	204
Contrast ratio	-	500:1	GREEN SERIES C
Backlight		LED	
Brightness	25	50cd/m ²	
Backlight life	More tha	n 30000 hours	
Touch panel	4 line precision resistance	network (surface hardness 4H)	
CPU	ARM RISC	32Bit 800MHz	
Storage		mory+128MB DDR3 Memory	Kinco
RTC		Built-in	
Extensible memory		JSB Host	
Print port		st/Serial port	
Ethernet	None	10/100M self-adaption	
Program download	USB Slave(Micro USB)/U disk	USB Slave(Micro USB)/U disk/Ethernet	
Communication port Electrical specifications		32/RS485/RS422 42:RS232	
Input power supply	DC10	NV. DC39V	135.7
Rated power	DC10V~DC28V 3.6W @24V DC		
Allowable loss of power		<3ms	
Insulation resistance		Δ3111S MΩ@500V DC	₩
Hi-pot test		AC 1 minute	
Structure specifications	300 VA	AC 1 IIIIIIute	0 00
Shell material	Engine	ering plastic	999 999
Shape size		150*37 mm	
Cutout size		*138 mm	
Weight		0.5Kg	n as your Mr. All comman comman blood than
Environmental specifications		0.5kg	
Operating ambient temperature	00 (C ~ 50° C	
Operating ambient humidity		6 noncondensing	
·		C ~ 60° C	192
Storage ambient temperature			
Storage ambient humidity		% noncondensing	Pe
Sine vibration test Cooling mode		² , X, Y, Z direction/hour	
Product certification	indluid	ii dii coolliig	Cut-out size
Panel protection grade	Conforming to IDS	5 certification(4208-93)	
CE authentication		1:2011, EN61000-6-2:2005	
CL authentication	EN01000-0-4.2007+A	1.2011, EN01000-0-2:2003	
Software			

Note: GL070 is replacement of MT4434T. GL070E is replacement of MT4434TE. Programming of MT4000 can be used for Green series HMI after edited by DTools.

Economy Type



10.1"

GL100/GL100E

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



Model	GL100	GL100E
Performance specification		
Display size	10.1"7	[FT
Display area	222.72mm(W)*125.28mm(H)	
Resolution	1024*600) pixels
Display color	16.7M tru	e color
Display angle of view	70/70/60/70(left/	right/up/down)
Contrast ratio	500:	1
Backlight	LEC)
Brightness	400cd,	/m²
Backlight life	More than 30	000 hours
Touch panel	4 line precision resistance net	work (surface hardness 4H)
CPU	ARM RISC 328	Bit 800MHz
Storage	128MB NAND Flash Memory	y+128MB DDR3 Memory
RTC	Built-	in
Extensible memory	1 USB I	Host
Print port	USB Host/S	erial port
Ethernet	None	10/100M self-adaption
Program download	USB Slave(Micro USB)/U disk	USB Slave(Micro USB)/U disk/Ethernet
Communication port Electrical specifications	COM0:RS232/R COM2:R	*
Input power supply	DC10V~E	C28V
Rated power	6W @24V DC	
Allowable loss of power	<3m	
Insulation resistance	Over 50MΩ@	
Hi-pot test	500 VAC 1 minute	
Structure specifications	565 17.62	
Shell material	Engineering	g plastic
Shape size	280*193*	
Cutout size	261*180) mm
Weight	0.9K	g
Environmental specifications		
Operating ambient temperature	0° C ~ 5	50° C
Operating ambient humidity	10% to 90% no	ncondensing
Storage ambient temperature	-20° C ∼	60° C
Storage ambient humidity	10% to 90% noncondensing	
Sine vibration test	10~500Hz, 30m/s², X,	Y, Z direction/hour
Cooling mode	Natural air	
Product certification		
Daniel mustication and de	Conforming to IP65 certification(4208-93)	
Panel protection grade	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	
CE authentication		

Mechanical Dimensions (Unit:mm)
258.9
280.3
GESTIN SERSES
CO C
· · · · · · · · · · · · · · · · · · ·
35.5
261
E Cut-out size

Note: GL100 is replacement of MT4532T. GL100E is replacement of MT4532TE.

Programming of MT4000 can be used for Green series HMI after edited by DTools.



GL104E

- Built-in isolated power supply to enhance reliability
- Industrial size 4:3, possessing greatful visual coordination
- Firm structure
- High cost-effective



Model	GL104E
Performance specification	
Display size	10.4"TFT
Display area	211.20mm(W)*158.40mm(H)
Resolution	800*600 pixels
Display color	16.7M 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 30000 hours
Touch panel	4 line precision resistance network (surface hardness 4H)
CPU	ARM RISC 32Bit 800MHz
Storage	128MB NAND Flash Memory+128MB DDR3 Memory
RTC	Built-in
Extensible memory	1 USB Host
Print port	USB Host/Serial port
Ethernet	10/100M self-adaption
Program download	USB Slave(Type B)/U disk/Ethernet
Communication port	COM0:RS232/RS485/RS422 COM2:RS232
Electrical specifications	
nput power supply	DC10.8V~DC28V, Built-in isolation power supply
Rated power	8W @24V DC
Allowable loss of power	<3ms
Insulation resistance	Over 50M Ω @500V DC
Hi-pot test	500 VAC 1 minute
Structure specifications	Facility and a selection
Shell material	Engineering plastic
Shape size	310*230*56 mm
Cutout size	299*219 mm
Weight	1.715Kg
Environmental specifications	0° C ~ 50° C
Operating ambient temperature	
Operating ambient humidity	10% to 90% noncondensing -20° C ~ 60° C
Storage ambient temperature	
Storage ambient humidity	10% to 90% noncondensing
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour
Cooling mode	Natural air cooling
Product certification	Conforming to IDSEtifiti(4200 02)
Panel protection grade CE authentication	Conforming to IP65 certification(4208-93)
Software	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005
\$1010BW/S162	

Mechar	ical Dimensions (Unit:mm)
	215
9002	Kinco 7.4 Include sealing ring
	S 2272
	215
2:0	Cut-out size

Note: GL104E is replacement of MT4513TE.

Configuration software

Programming of MT4000 can be used for Green series HMI after edited by DTools.

Kinco DTools V3.3 and above

IoT Type



GL150E

- Preferred model for general use in 15 inch screen
- Built-in isolated power supply to enhance reliability
- Industrial size 4:3, possessing greatful visual coordination

15"

- Firm structure

Model



Performance specification	
Display size	15"TFT
Display area	304.13mm(W)*228.10mm(H)
Resolution	1024*768 pixels
Display color	65536 color
Display angle of view	80/80/80/80(left/right/up/down)
Contrast ratio	800:1
Backlight	LED
Brightness	420cd/m ²
Backlight life	More than 50000 hours
Touch panel	4 line precision resistance network (surface hardness 4H)
CPU	ARM RISC 32Bit 800MHz
Storage	128MB NAND Flash Memory+128MB DDR3 Memory
RTC	Built-in
Extensible memory	1 USB Host
Print port	USB Host/Serial port
Ethernet	10/100M self-adaption
Program download	USB Slave(Micro USB)/U disk/Ethernet
Communication port	COM0:RS232/RS485/RS422 COM2:RS232
Electrical specifications	
Input power supply	DC10.8V~DC28V, Built-in isolation power supply
Rated power	16W @24V DC
Allowable loss of power	<3ms
Insulation resistance	Over 50M Ω @500V DC
Hi-pot test	500 VAC 1 minute
Structure specifications	
Shell material	Engineering plastic
Shape size	398*298*47 mm
Cutout size	383*283 mm
Weight	3Kg
Environmental specifications	
Operating ambient temperature	-10° C ~ 55° C
Operating ambient humidity	10% to 90% noncondensing
Storage ambient temperature	-20° C ~ 60° C
Storage ambient humidity	10% to 90% noncondensing
Sine vibration test	10~500Hz, 30m/s ² , X, Y, Z direction/hour
Cooling mode	Natural air cooling
Product certification	
Panel protection grade	Conforming to IP65 certification(4208-93)
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005
Software	
Configuration software	Kinco DTools V3.3 and above

GL150E

Machanical Dimensions (U.S)
Mechanical Dimensions (Unit:mm)
269
382

398
598
Sinco
47 30 7 Include
30 - 7 Include sealing ring
189 189
<u> </u>
229
383
Cut-out size

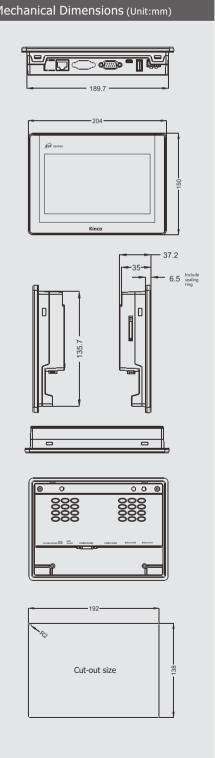


GT070E / GT070E-4G / GT070E-WiFi

- Support Ethernet, built-in 4G & WiFi
- Built-in Internet of Things function, support remote service
- HMI has the function of remote upload and download
- Remote transmission,PLC program upload, download, online debugging, desktop monitoring



Model	GT070E	GT070E-4G	GT070E-WiFi	
Performance specification				
Display size		7"TFT		
Display area	154.08mm(W)*85.92mm(H)			
Resolution		800*480 pixels		
Display color		16.7M true color		
Display angle of view	7	0/70/50/70(left/right/up/dow	n)	
Contrast ratio		500:1	-	
Backlight		LED		
Brightness		250cd/m ²		
Backlight life		More than 30000 hours		
Touch panel	4 line precision	on resistance network (surface	hardness 4H)	
CPU		ARM RISC 32Bit 800MHz	,	
Storage	128MB NA	ND Flash Memory+128MB DD	R3 Memory	
RTC		Built-in	,	
Extensible memory		1 USB Host		
Print port		USB Host/Serial port		
Internetwork	Ethernet	Ethernet/Cellular 2G/3G/4G	Ethernet/WiFi	
Program download		Slave (Micro USB)/U disk/Eth		
i rogram download	030	Siave (i-licio osb)/ o disk/ Etil	CITICC	
Cellular and Wireless	None	LTE-FDD Band 1/3/5/8 LTE-TDD Band 38/39/40/41 UMTS Band 1/8 GSM Band 3/8	IEEE802.11 b/g/n 802.11b:max 17dBm 802.11g:max 17dBm 802.11g:max 17dBm	
VPN		remote upload and download and s rough program upload and downloa		
Ethernet		10/100M self-adaption		
Communication port	COMO	:RS232/RS485/RS422, COM2:	:RS232	
Electrical specifications				
Input power supply		DC10.8V~DC28V		
Rated power		4.2W @24V DC		
Allowable loss of power		<3ms		
Insulation resistance		Over 50MΩ@500V DC		
Hi-pot test		500 VAC 1 minute		
Structure specifications		300 VAC I IIIIIIdec		
Shell material		Engineering plastic		
Shape size		204*150*37 mm		
Cutout size		192*138 mm		
Weight				
weight Environmental specifications		0.5Kg	_	
		000 5000		
Operating ambient temperature		0°C ~ 50°C	_	
Operating ambient humidity		10% to 90% noncondensing	9	
Storage ambient temperature		-20°C ~ 60°C		
Storage ambient humidity		10% to 90% noncondensing	5	
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour			
Cooling mode		Natural air cooling		
Product certification				
Panel protection grade	Conf	forming to IP65 certification(4	208-93)	
CE authentication	EN6100	0-6-4:2007+A1:2011, EN6100	10-6-2:2005	



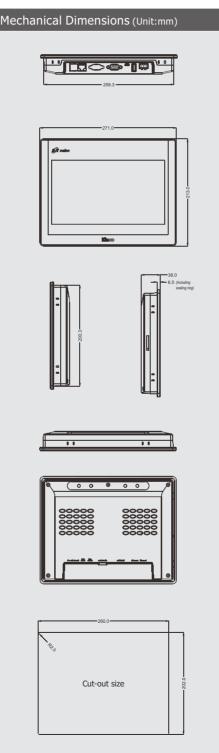
10.1" **GT Series**

GT100E / GT100E-4G / GT100E-WiFi

- 10.1"HD display, 16.77M true color
- Support Ethernet, built-in 4G & WiFi
- Built-in Internet of Things function, support remote service
- Remote transmission, PLC program upload, download, online debugging, desktop monitoring



Model	GT100E	GT100E-4G	GT100E-WiFi
Performance specification			
Display size		10.1"TFT	
Display area		222.72(W)x125.28(H)	
Resolution		1024*600 pixels	
Display color		16.7M true color	
Display angle of view	85	5/85/85/85(left/right/up/dow	n)
Contrast ratio		500:1	
Backlight		LED	
Brightness		300cd/m ²	
Backlight life		More than 30000 hours	
Touch panel	4 line precisio	n resistance network (surface	hardness 4H)
CPU		ARM RISC 32Bit 800MHz	
Storage	128MB NAN	ND Flash Memory+128MB DD	R3 Memory
RTC		Built-in	
Extensible memory		1 USB Host	
Print port		USB Host/Serial port	
Internetwork	Ethernet	Ethernet/Cellular 2G/3G/4G	Ethernet/WiFi
Program download	USB	Slave (Micro USB)/U disk/Eth	ernet
Cellular and Wireless	None	LTE-FDD Band 1/3/5/8 LTE-TDD Band 38/39/40/41 UMTS Band 1/8 GSM Band 3/8	IEEE802.11 b/g/n 802.11b:max 17dBm 802.11g:max 17dBm 802.11n:max 17dBm
VPN		emote upload and download and s ough program upload and downloa	٥,
Ethernet		10/100M self-adaption	
Communication port	COM0:	:RS232/RS485/RS422, COM2:	:RS232
Electrical specifications			
Input power supply		DC10.8V~DC28V	
Rated power		7W @24V DC	
Allowable loss of power		<3ms	
Insulation resistance		Over 50M Ω @500V DC	
Hi-pot test		500 VAC 1 minute	
Structure specifications			
Shell material		Engineering plastic	
Shape size		271*213*38 mm	
Cutout size		260*202 mm	
Weight		1.1Kg	
Environmental specifications	s		
Operating ambient temperature		0° C ~ 50° C	
Operating ambient humidity		10% to 90% noncondensing	g
Storage ambient temperature		-20° C ~ 60° C	
Storage ambient humidity		10% to 90% noncondensing	g
Sine vibration test	10~5	500Hz, 30m/s², X, Y, Z direction	on/hour
Cooling mode		Natural air cooling	
		Natural air cooling	
	Confo	Natural air cooling orming to IP65 certification(4	208-93)
Product certification			,
Product certification Panel protection grade		orming to IP65 certification(4	,





GW01 / GW01-4G / GW01-WiFi

- Freescale industrial-grade CPU, 800MHz processor, 128MB memory Dual-port ethernet + COM, can connect hundreds of mainstream controllers, no need to change the existing architecture
- Easy configuration, easy to achieve data mapping, the device data transfer to the cloud
- Free choice of wireless or 4G, suitable for different demand
- Small size, easy to install (DIN rail installation)



Model	GW01	GW01-4G	GW01-WiFi	Mechanical
Performance specification	00	Cilioz ic		Trechamean
CPU		ARM RISC 32Bit 800MHz		
Storage	128MR NANI	D Flash Memory+128MB DI	DR3 Memory	0
RTC	120110101111	Built-in	ono i iemory	0~
Ethernet		2* 10/100M self-adaption		Ether
WiFi	None	None	2.4GHz WiFi	
4G	None	Built-in	None	
USB		1*USB Slave (Micro USB)	114114	
Program download	USB Slave(Micro USB)/ Ethernet	USB Slave(Micro USB)/ Ethernet	USB Slave(Micro USB)/ Ethernet/WiFi	
Cellular and Wireless	None	LTE-FDD Band 1/3/5/8 LTE-TDD Band 38/39/40/41 UMTS Band 1/8 GSM Band 3/8	IEEE802.11 b/g/n 802.11b:max 17dBm 802.11g:max 17dBm 802.11n:max 17dBm	
VPN		ote upload and download and o th program upload and downloa		0
Communication port	COM0:R	RS232/RS485/RS422, COM	2:RS232	
Electrical specifications				
Input power supply	DC12V~DC2	8V, Built-in isolation power	supply	0
Rated power		1.5W		
Allowable loss of power		<3ms		
Insulation resistance	(Over 50M Ω @500V DC		
Hi-pot test		500 VAC 1 minute		
Structure specifications				
Shell color		Black		0
Shell material		Metallic		
Shape size		111.6*93.6*30 mm		
Installation	DI	N-rail mounting (35mm)		,
Veight	0.31Kg			
Environmental specification	s			
Operating ambient temperature		-10° C ~ 55° C		
Operating ambient humidity	109	% to 90% noncondensing		© [©]
Storage ambient temperature		-20° C ~ 60° C		
Storage ambient humidity	109	10% to 90% noncondensing		
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour			
Cooling mode	Natural air cooling			
Product certification				'
Panel protection grade		Conforming to IP20		
CE authentication	EN61000-6-4:	2007+A1:2011, EN61000-	6-2:2005	
Software				
Configuration software	Kin	co DTools V3.4 and above		

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FUTURE Series

FUTURE Series industrial HMI for **High-end equipment industry**

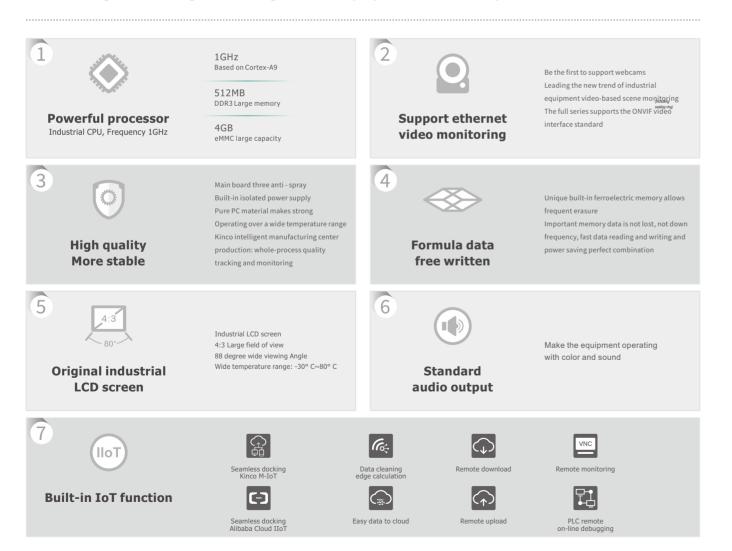
Kinco FUTURE series industrial HMI that balances the steady demands of industry with the enjoyment of new technologies.

Strict material selection, innovative design, adhere to 10 years of ultra-long life cycle;

Produced by Kinco intelligent manufacturing Center, the whole process of material and manufacturing can be traced to ensure high quality. Enjoy the new features of DTools configuration software; With the industry leading edge to create high-end equipment preferred products.



7 leading advantages for high-end equipment industry

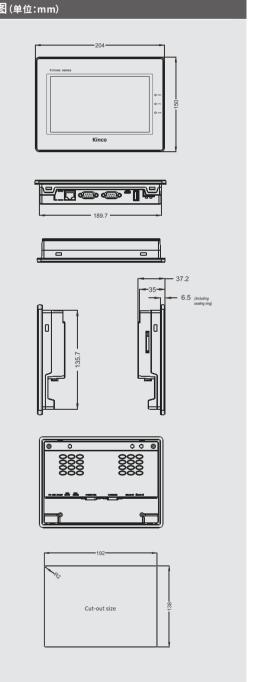


F070E

- Cortex-A9 industrial-grade CPU, clocked at 1GHz, and memory up to 512M.
- 7", high brightness and high resolution display
- Built-in ferroelectric memory, supporting matching data without erasing a limited number of times.
- Three anti-spraying + isolated power supply to enhance reliability.
- Support network camera connection, real-time dynamic control.
- A new generation of Kinco DTools configuration software, powerful function, simple and easy



Model	F070E
Performance specification	
Display size	7 " TFT
Resolution	800*480 pixels
Display color	16.7M true color
acklight	LED
rightness	400cd/m ²
acklight life	More than 30000 hours
ouch panel	4 line precision resistance network (surface hardness 4H)
PU	32Bit RISC Cortex-A9 1GHz
torage	512MB DDR3 + 8GB eMMC
TC	Built-in + 32KB
xtensible memory	USB Host
rint port	USB/serial port
thernet	1*10/100M self-adaption
rogram download	Serial port/USB/Ethernet
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232
Audio output	1*Audio output
xtended interface	None
lectrical specifications	
nput power supply	DC12V~DC28V, Built-in isolation power supply
Rated power	5W
Allowable loss of power	<3ms
nsulation resistance	Over 50MΩ@500V DC
li-pot test	500 VAC 1 minute
Structure specifications	
Shell color	Light gray
Shell material	Engineering plastic
Shape size	204*150*37.2 mm
Cutout size	192*138 mm
Veight	0.57Kg
Environmental specifications	
Operating ambient temperature	-10° C ∼ 55° C
Operating ambient humidity	10% to 90% noncondensing
Storage ambient temperature	-20° C ~ 60° C
Storage ambient humidity	10% to 90% noncondensing
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour
Cooling mode	Natural air cooling
Product certification	
Panel protection grade	Conforming to IP65
CE authentication	Conforming to CE
Software	
Configuration software	Kinco DTools V3.5.1 and above
5	



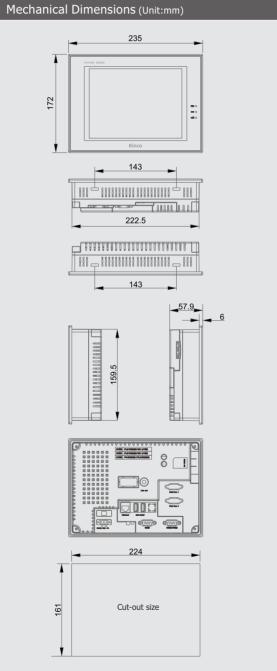
FUTURE Series

F080E

- Cortex-A9 industrial-grade CPU, clocked at 1GHz, and memory up to 512M.
- 8 ", high brightness and high resolution display, 4:3 business size.
- Built-in ferroelectric memory, supporting matching data without erasing a limited number of times.
- Three anti-spraying + isolated power supply to enhance reliability.
- SD card expansion storage space.
- Support network camera connection, real-time dynamic control.
- Support MPI 187.5K.



Model	F080E	Mechani
Performance specification		
Display size	8 " TFT	
Resolution	800*600 pixels	
Display color	16.7M true color	
Backlight	LED	
Brightness	250cd/m ²	172
Backlight life	More than 30000 hours	
Touch panel	4 line precision resistance network (surface hardness 4H)	
CPU	32Bit RISC Cortex-A9 1GHz	
Storage	512MB DDR3 + 4GB eMMC	
RTC	Built-in + 32KB	
Extensible memory	2 USB Host + 1SD Card	
Print port	USB Host/serial port	
Ethernet	10/100M self-adaption	
Program download	U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232	
Audio output	1*Audio output	
Extended interface	None	
Electrical specifications		
Input power supply	DC12V~DC28V, Built-in isolation power supply	
Rated power	8W @24V DC	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		
Shell color	Beige white	
Shell material	Engineering plastic	
Shape size	235*172*57.9 mm	
Cutout size	224*161 mm	
Weight	1.3Kg	
Environmental specifications		
Operating ambient temperature	-10° C ~ 55° C	
Operating ambient humidity	10% to 90% noncondensing	
Storage ambient temperature	-20° C ~ 60° C	
Storage ambient humidity	10% to 90% noncondensing	
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	Conforming to IP65 certification(4208-93)	
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	
Software		
Configuration software	Kinco DTools V3.4 and above	



F104E/F104E-CAN

- Cortex-A9 industrial-grade CPU, clocked at 1GHz, and memory up to 512M;
- 10.4 ", high brightness and high resolution display, 4: 3 business size;
- Built-in ferroelectric memory, supporting matching data without erasing a limited number of times;
- Three anti-spraying + isolated power supply to enhance reliability;
- SD card expansion storage space;
- Support network camera connection, real-time dynamic control;
- Support MPI 187.5K.



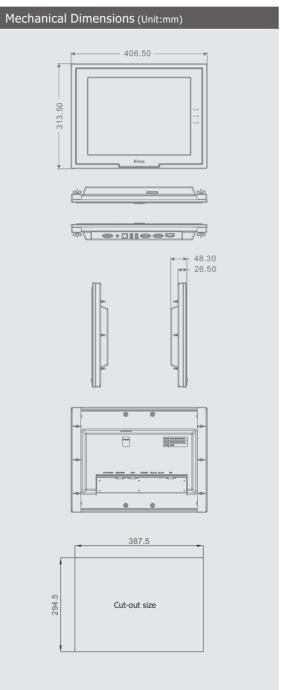
isplay size 10.4 * TFT				
Isplay size 10.4 * TET	Model	F104E	F104E-CAN	尺寸图(单位:mm)
Isplay size 10.4 * TET	Performance specification			
resolution 1024*768 pixels isplay color 16.7M true color actight LED rightness 450cd/m² 450cd/m² 328r RISC Cortex-A9 1GHz but brage 512MB DRR3 + 468 eMMC TC Built-in + 32KB TC COM:87:87327/R5488/R5422 COM:87:87327/R548/R5422 COM:87:87327/R548/R	Display size	10.4 " TFT		310.6
isplay color 16.7M true color LED 4 Security LED 4 Security A Security A Security A Security A Security A Security A Security A Security A Security A Security A Security A Security A Security A Security A Security A Se	Resolution	1024*768 pixels		
acklight LED 4 Stord/m² 4 Stord/m² 5 Acklight life More than 50000 hours 0 uch panel 4 line precision resistance network (surface hardness 4H) PU 32Bit RISC Cortex-A9 1GHz 1 torage 512MB DDR3 + 4GB eMMC TC Bull-In + 32KB 1 Stensible memory 2 USB Host + 15D Card 1 rint port USB Host/serial port 1 10/100M self-adaption 1 Udisk/Ethernet 1 0/100M self-adaption 1 Udisk/Ethernet 1 0/100M self-adaption 1 Udisk/Ethernet 1 0/100M self-adaption 1 Udisk/Ethernet 1 0/0M2:R5232/RS485/RS422 2 COM2:R5232/ 2 Udio output 1 *Audio output 1 *Audio output 1 *Audio output 1 *Audio output 2 USB Host + 15D Card 1 *CANopen 1 *CANopen 1 *CANopen 1 *CANopen 1 *CENTRO DOWN TO COM2:R5232 1 Udio output 1 *Audio output 1 *Audio output 1 *CANopen 1 *CENTRO DOWN TO COM2:R5232 1 Udio output 1 *CANopen 1 *CENTRO DOWN TO COM2:R5232 1 Udio output 1 *CANopen 1	Display color	·		The same same same same same same same sam
acklight life	Backlight	LED		
acklight life	Brightness	450c	d/m²	909
auch panel 4 line precision resistance network (surface hardness 44) PU 32Bit RISC Cortex-A9 1GHz btorage 512MB DDR3 + 4GB eMMC Built-in + 32KB Xtensible memory 2 USB Host + 1SD Card Tint port USB Host strain port thernet 10/100M self-adaption U disk/Ethernet COM0:RS23/RS485/RS422 COM1: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:RS232 Udio output 1*Audio output xtended interface None 1*CANopen lectrical specifications plut power supply DC12V-DC28V, Built-in isolation power supply ated power 12W @24V DC	Backlight life	More than 5	50000 hours	
As to targe started and the st				
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Trint port USB Host/serial port thernet 10/100M self-adaption U disk/Ethernet COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS	Extensible memory	2 USB Host	+ 1SD Card	
thernet 10/100M self-adaption Torgram download U disk/Ethernet COM0:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232/RS482/RS422 COM2:RS232/RS482/RS422 COM2:RS232 Ladio output 1*Audio output 1*CANopen It=CANopen It=C	Print port			
U disk/Ethernet COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232 LS46 LS46/LS46/LS46/LS46/LS46/LS46/LS46/LS46/	Ethernet			297.5
COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232 udio output 1*Audio output xtended interface None 1*CANopen lectrical specifications nput power supply ated power 12W @24V DC slowable loss of power 23ms over 50m Ω @500V DC li-pot test 500 VAC 1 minute tructure specifications hell color Beige white hell material Engineering plastic hape size 310.6*230.6*55.7 mm 299*219 mm Weight 1.7kg nvironmental specifications perating ambient temperature perating ambient temperature -20° C ~ 50° C perating ambient humidity 10% to 90% noncondensing torage ambient temperature -20° C ~ 60° C torage ambient humidity 10% to 90% noncondensing ine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour ooling mode Natural air cooling roduct certification anel protection grade Conforming to IP65 certification(4208-93) E authentication EN61000-6-4:2007+A1:2011, EN61000-6-2:2005 ioftware			•	
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xtended interface None 1*CANopen	Audio output	1*Audio	output	55.7
Rectrical specifications Input power supply DC12V~DC28V, Built-in isolation power supply ated power 12W @24V DC Illowable loss of power 3ms Over 50MQ @500V DC Ill-pot test 500 VAC 1 minute Input test Source Source Ill-pot test Source	Extended interface	None	1*CANopen	7.4 (reckding sauling drag)
The properties of the propert	Electrical specifications			
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oftware	CE authentication			
	Software		,	1
	Configuration software	Kinco DTools \	/3.4 and above	

F150E

- Cortex-A9 industrial-grade CPU, clocked at 1GHz, and memory up to 512M.
- 15 ", high brightness and high resolution display, 4:3 business size.
- Built-in ferroelectric memory, supporting matching data without erasing a limited number of times.
- SD card expansion storage space.
- Support network camera connection, real-time dynamic control.
- Support MPI 187.5K.



Model	F150E
Performance specification	
Display size	15 " TFT
Resolution	1024*768 pixels
Display color	16.7M true color
Backlight	LED
Brightness	300cd/m ²
Backlight life	More than 50000 hours
Touch panel	4 line precision resistance network (surface hardness 4H)
CPU	32Bit RISC Cortex-A9 1GHz
Storage	512MB DDR3 + 4GB eMMC
RTC	Built-in + 32KB
Extensible memory	2 USB Host + 1SD Card
Print port	USB Host/serial port
Ethernet	10/100M self-adaption
Program download	Serial port/USB Host/Ethernet
Communication port	COM0:RS232/RS485/RS422 COM1:RS232/RS485/RS422 COM2:RS232
Audio output	1*Audio output
Extended interface	1*CANopen
Electrical specifications	
Input power supply	DC12V~DC28V, Built-in isolation power supply
Rated power	12W @24V DC
Allowable loss of power	<3ms
Insulation resistance	Over 50MΩ@500V DC
Hi-pot test	500 VAC 1 minute
Structure specifications	
Shell color	Black
Shell material	Metallic
Shape size	406.5*313.5*48.3 mm
Cutout size	387.5*294.5 mm
Weight	5Kg
Environmental specifications	
Operating ambient temperature	-10° C ~ 50° C
Operating ambient humidity	10% to 90% noncondensing
Storage ambient temperature	-20° C ∼ 60° C
Storage ambient humidity	10% to 90% noncondensing
Sine vibration test	10~500Hz, 30m/s ² , X, Y, Z direction/hour
Cooling mode	Natural air cooling
Product certification	
Panel protection grade	Conforming to IP65 certification(4208-93)
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005
Software	
Configuration software	Kinco DTools V3.5 and above
Comiguration software	Kilico Dioois V3.3 alia above



xF-SiHMI01 Split type industrial HMI

- High-end configuration: Cortex-A9 architecture, primary frequency is 1G, 512MB DDR3 +4GB eMMC.
- HDMI V1.4 Full HD(1920*1080@60Hz) high-resolution output.
- Standard with 2 USB hosts, 3 serial ports (COM1 is the type of terminal interface), one network port.
- The concept of separating the screen from the host, adapting various displa 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, SD card to expand storage capacity
- Various installation methods: DIN rail installation (35mm), VESA rack installation (75*75mm)

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capacity. allation (75*75mm).	

Performance specification CPU 32BIRTISC Cortex-A9 1GHz Storage 512MB DDR3 + 4GB eMMC Interface Configuration Display port 1*HDMI V1.4 Full HD (1920*1080@60Hz) Extensible memory 2*USB Host Ethernet 10/100M self-adaption COM0::RS232/RS485/RS422 COM1::RS232/COM1::RS485 COM2::RS232 I/O 2 channel digital input (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 1*DC 24V power supply (Same input voltage), current 500mA Electrical specifications Rated power 2.4W Rated voltage DC 24V Allowable loss of power 3ms Insulation resistance Over 50M1@500V DC Hi-pot test 500VAC 1 minute Structure specifications Shell color Black Shell material Metallic Shape size 113*104*30.2 mm DIN rail installation (75*75mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Installation VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Storage ambient temperature O° C~ 50° C Operating ambient temperature 10% to 90% noncondensing Storage ambient temperature 10% to 90% noncondensing Storage ambient temperature Not 10% to 90% noncondensing Storage ambient temperature Not 200 C~ 80° C Storage ambient temperature Not 200 C~ 80° C N			
Storage \$12MB DDR3 + 4GB eMMC Interface Configuration Display port 1*HDMI V1.4 Full HD (1920*1080@60Hz) Extensible memory 2*USB Rost Ethernet 10/100M self-adaption COMM:RS232/RS485/RS422 COMM:RS485 COM2:RS485	Model	xF-SiHMI01	尺寸图(单位:mm)
Storage 512MB DDR3 + 4GB eMMC Interface Configuration Display port 1*HDMIV1.4 Full HD (1920*1980@60Hz) Extensible memory 2*USB Host 10/100M self-adaption COM:RS232/RS485/RS422 COM1:RS485 COM2:RS232 I/O 2 Channel digital input (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 1*DC 24V power supply (same input voltage), current 500mA Electrical specifications Rated power 2.4W Rated voltage Dc 24V Allowable loss of power 3ms Insulation resistance Over 50M Ω @500V DC Hi-pot test 500 VAC 1 minute Structure specifications Shell color Black Shell material Metallic Shape size 113*104*30.2 mm UNESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient temperature 0° C ~ 80° C Operating ambient temperature 10% to 90% noncondensing Storage ambient temperature 30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Natural air cooling Product certification Panel protection grade 1P20	Performance specification		
Interface Configuration Display port 2*USB Host Ethernet 10/100M self-adaption COM0:RS232/RS485/RS422 COM1:RS485 COM2:RS232 I/O 2 channel digital input (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 4 Country to programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 4 Country to programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 4 Country to programmable, standard 24V source) 4 Country to programmable, standard 24V source) 4 Country to programmable, standard 24V source) 5 Country to programmable, standard 24V source) 6 Country to programmable, stand	CPU	32Bit RISC Cortex-A9 1GHz	
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Communication port COM2:RS232/RS485/RS422 COM1:RS485 COM2:RS232 I/O 2 Channel digital input (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) I/O 2 Channel digital input (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 1*DC 24V power supply (same input voltage), current 500mA Electrical specifications Rated power 2 .4W Rated voltage DC 24V Allowable loss of power 3 ms Insulation resistance Over 50M Q © 500 V DC Hi-pot test 500 VAC 1 minute Structure specifications Shell color Black Shell material Metallic Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0 .47 Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient temperature 3° C ~ 80° C Storage ambient temperature 3° C ~ 80° C Storage ambient temperature 3° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Storage ambient temperature 3° C ~ 80° C Cooling mode Natural air cooling Product certification Panel protection grade IP20	Extensible memory	2*USB Host	133
Communication port COM1:RS485 COM2:RS232 I/O 2 channel digital input (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 3 channel digital output (programmable, standard 24V source) 0 output power supply 1*DC 24V power supply (same input voltage), current 500mA Electrical specifications Rated power Rated voltage DC 24V Allowable loss of power - 3ms Insulation resistance Over 50M Q © 500 V D C Hi-pot test 500 VAC 1 minute Structure specifications Shell color Black Shell material Metallic Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient temperature 3° C ~ 80° C Storage ambient temperature 5torage ambient temperature 10% to 90% noncondensing Storage ambient temperature 10% to 90% noncondensing 10% to 90% noncondensi	Ethernet	10/100M self-adaption	
3 channel digital output (programmable, standard 24V source) Output power supply 1*DC 24V power supply (same input voltage), current 500mA Electrical specifications Rated power Rated voltage DC 24V Allowable loss of power Structure specifications Shell color Black Shell color Black Shell color Black Shell material Metallic Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient temperature 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Natural air coolling Product certification Panel protection grade IP20	Communication port	COM1:RS485	104
Electrical specifications Rated power Rated voltage DC 24V Allowable loss of power Insulation resistance Over 50M \(\Omega \) 0 VAC 1 minute Structure specifications Shell color Black Shell material Metallic Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight Districtions Operating ambient temperature O° C ~ 50° C Operating ambient temperature Operating ambient temperature -30° C ~ 80° C Operating ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	I/O		
Rated power Rated voltage DC 24V Allowable loss of power Insulation resistance Over 50MΩ@500V DC Hi-pot test Structure specifications Shell color Shell color Shape size Installation Installation DIN rail installation (35mm) VESA rack installation (75*75mm) Weight DIN rail installation (75*75mm) Weight Operating ambient temperature Operating ambient temperature Operating ambient temperature Tolor to 90% noncondensing Storage ambient humidity Storage ambient humidity Ino% to 90% noncondensing Ino% Cooling mode I	Output power supply		
Rated voltage DC 24V Allowable loss of power <ams stance<="" td="" to=""><td>Electrical specifications</td><td></td><td>© © ©</td></ams>	Electrical specifications		© © ©
Allowable loss of power Black Metallic Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight Allowable loss of power Allowable loss of power Black Metallic Shape size 113*104*30.2 mm DIN rail installation (75*75mm) Weight Allowable loss of power Black Metallic Shape size 10.47Kg Allowable loss of power Black Shell color Black Metallic Shape size 10.47Kg Allowable loss of power Allowable lost of p	Rated power	2.4W	
Allowable loss of power Insulation resistance Over 50M \(\tilde{0}\) 500 V D C Hi-pot test 500 VAC 1 minute Structure specifications Shell color Black Shell material Metallic Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature O° C ~ 50° C Operating ambient temperature Operating ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity Natural air cooling Product certification Panel protection grade 1P20	Rated voltage	DC 24V	ı+30.2+ı
Hi-pot test Structure specifications Shell color Shell material Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight Environmental specifications Operating ambient temperature O° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Allowable loss of power	<3ms	
Shell color Shell material Shell material Shell material Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Insulation resistance	Over 50MΩ@500V DC	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Shell color Shell material Shell material Shell material Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Hi-pot test	500 VAC 1 minute	2 0 P
Shell color Shell material Shell material Shell material Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Structure specifications		2
Shape size 113*104*30.2 mm DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature 0° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Shell color	Black	<u> </u>
Installation DIN rail installation (35mm) VESA rack installation (75*75mm) Weight 0.47Kg Environmental specifications Operating ambient temperature O° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Shell material	Metallic	
Weight 0.47Kg Environmental specifications Operating ambient temperature O° C ~ 50° C Operating ambient humidity Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Shape size	113*104*30.2 mm	
Environmental specifications Operating ambient temperature O° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Installation		
Operating ambient temperature O° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Weight	0.47Kg	
Operating ambient temperature O° C ~ 50° C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Environmental specifications		
Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Operating ambient temperature	0° C ~ 50° C	
Storage ambient temperature -30° C ~ 80° C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Operating ambient humidity	10% to 90% noncondensing	75
Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade IP20	Storage ambient temperature	-30° C ∼ 80° C	15
Cooling mode Natural air cooling Product certification Panel protection grade IP20	Storage ambient humidity	10% to 90% noncondensing	
Product certification Panel protection grade IP20	Sine vibration test	10~500Hz, 30m/s ² , X, Y, Z direction/hour	© 0
Panel protection grade IP20	Cooling mode	Natural air cooling	
	Product certification		
CE authentication EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	Panel protection grade	IP20	
	CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	

GR series Rear installation without front shell

The rear-installation fixation method can perfectly fit the surface of the equipment and be integrated with the equipment.







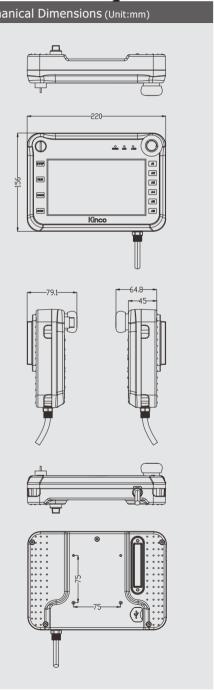
Display size	Model	GR043	GR070E	GR100E
Resolution 480°272 pixels 800°480 pixels 1024°600 pixels 167M true color Birghyress 450cd/m² 250cd/m² 400cd/m² 400cd/m² 400cd/m² 250cd/m² 400cd/m² 400cd/m² 400cd/m² 150cd/m²	Performance specification			
Display color 16.7M true color Strightness 450cd/m² 250cd/m² 400cd/m² 38acklight LED	Display size	4.3"TFT	7"TFT	10.1"TFT
### Brightness ### Specifications ### Inchest ### Specifications ### Inchest ### Inchest ## Inches	Resolution	480*272 pixels	800*480 pixels	1024*600 pixels
Backlight LED	Display color		16.7M true color	
More than 30000 hours	Brightness	450cd/m ²	250cd/m ²	400cd/m ²
A line precision resistance network (surface hardness 4H) ARM RISC 32Bit 800MHz	Backlight		LED	
ARM RISC 32Bit 800MHz	Backlight life		More than 30000 hours	
128MB NAND Flash Memory + 128MB DDR3 Memory	Touch panel	4 line pr	recision resistance network (surface hard	ness 4H)
RTC Built-in Extensible memory 1 USB Host Print port USB Host/Print port Ethernet None 10/100M self-adaption Program download USB Slave(Micro USB)/U disk USB Slave(Micro USB)/U disk USB Slave(Micro USB)/U disk/Ethernet Communication port COM0:RS232/RS485/RS422 COM2:RS232 COM2:RS222 COM2:RS222 COM2:RS222 COM2:RS222 COM2:RS222 COM2:RS222 COM	CPU		ARM RISC 32Bit 800MHz	
The port and the	Storage	1281	1B NAND Flash Memory+128MB DDR3 Me	mory
Print port USB Host/serial port Ethernet None 10/100M self-adaption Program download USB Slave(Micro USB)/U disk USB Slave(Micro USB)/U disk USB Slave(Micro USB)/U disk/Ethernet COM0:RS232/RS485/RS422 COM2:RS232 COM2:RS2	RTC		Built-in	
Ethernet None 10/100M self-adaption Program download USB Slave(Micro USB)/U disk COM0:RS232/RS485/RS422 COM0:RS232/RS485/RS422 COM2:RS232 Electrical specifications Imput power supply DC10.8V~DC28V Rated power 2W @24V DC 3.6W @24V DC 6W @24V DC Allowable loss of power Insulation resistance Over 50M C 9500V DC Hi-pot test 500 VAC 1 minute Structure specifications Shell color - Metallic Shape size 128×75×27mm 190.4*110*30 mm 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 Operating ambient temperature Operating ambient temperature Storage ambient temperature Storage ambient temperature Storage ambient temperature Cooling mode 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Conforming to 1P20 certification Panel protection grade Conforming to 1P20 certification	Extensible memory		1 USB Host	
Program download USB Slave(Micro USB)/U disk USB Slave(Micro USB)/U disk/Ethernet Communication port COM0:RS232/RS485/RS422	Print port		USB Host/serial port	
Communication port COM0:RS232/RS485/RS422 COM2:RS232 COM0:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232 COM2:RS232/RS485/RS422 COM2:RS232 COM2:RS28 COM2:RS232 COM2:RS232 COM2:RS232 COM2:RS232 COM2:RS232 COM2:RS28 COM2:RS232 COM2:RS24 COM2:RS24 COM2:RS24 COM2:RS24 COM2:RS24 COM2:RS24 COM2:RS24 COM2:RS24 COM2:RS24	Ethernet	None	10/100M se	elf-adaption
Communication port COM0:RS232/RS485/RS422 COM2:RS232 COM0:RS232/RS485/RS422 COM2:RS232/RS485/RS422 COM2:RS232 CDAS AS A	Program download	USB Slave(Micro USB)/U disk	USB Slave(Micro US	SB)/U disk/Ethernet
DC10.8V~DC28V Rated power supply DC10.8V~DC28V Rated power 2W @24V DC 3.6W @24V DC 6W @24V DC Allowable loss of power \$\cap 3ms \$\cap 500 \ VAC 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Communication port			
Rated power 2W @24V DC 3.6W @24V DC 6W @24V DC Allowable loss of power <a hre<="" td=""><td>Electrical specifications</td><td></td><td></td><td></td>	Electrical specifications			
Allowable loss of power Allowable loss of power some source power source powers of the power source power source power source powers of the power source power source power source powers of the power source power sour	Input power supply		DC10.8V~DC28V	
Insulation resistance $Over 50M \Omega @ 500V DC$ Hi-pot test $500 VAC 1 minute$ Structure specifications Shell color - Metallic Shape size $128 \times 75 \times 27 mm$ $190.4*110*30 mm$ $275.6 \times 163.6 \times 32 mm$ Cutout size $107.7 \times 69.4 mm$ $166.7*101.6 mm$ $236.9 \times 146.3 mm$ Weight $0.2 Kg$ $0.3 Kg$ $0.9 Kg$ Environmental specifications Operating ambient temperature $0^{\circ}C \sim 50^{\circ}C$ Operating ambient temperature $0^{\circ}C \sim 60^{\circ}C$ Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test $10 \times 500 Hz$, $30 M/s^2$, X , Y , Z direction/hour Cooling mode $Natural$ air cooling	Rated power	2W @24V DC	3.6W @24V DC	6W @24V DC
Hi-pot test 500 VAC 1 minute Structure specifications Shell color - Metallic Shape size 128×75×27mm 190.4*110*30 mm 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°C ~ 50°C Operating ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Allowable loss of power		<3ms	
Structure specifications Shell color - Metallic Shape size 128×75×27mm 190.4*110*30 mm 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°C ~ 50°C Operating ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Insulation resistance		Over 50M Ω @500V DC	
Shell color Shell material Metallic Shape size 128×75×27mm 190.4*110*30 mm 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 OPERATING ambient temperature 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Product certification Panel protection grade Conforming to IP20 certification	Hi-pot test		500 VAC 1 minute	
Shell material Shape size 128×75×27mm 190.4*110*30 mm 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°C ~ 50°C Operating ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Product certification Panel protection grade Conforming to IP20 certification	Structure specifications			
Shape size 128×75×27mm 190.4*110*30 mm 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°C ~ 50°C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -20°C ~ 60°C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Shell color		-	Metallic gray
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°C ~ 50°C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -20°C ~ 60°C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Shell material		Metallic	
Weight 0.2Kg 0.3Kg 0.9Kg Environmental specifications Operating ambient temperature 0°C ~ 50°C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -20°C ~ 60°C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Shape size	128×75×27mm	190.4*110*30 mm	275.6×163.6×32mm
Environmental specifications Operating ambient temperature O°C ~ 50°C Operating ambient humidity 10% to 90% noncondensing Storage ambient temperature -20°C ~ 60°C Storage ambient humidity 10% to 90% noncondensing Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Cutout size	107.7×69.4 mm	166.7*101.6 mm	236.9×146.3 mm
Operating ambient temperature Operating ambient humidity 10% to 90% noncondensing 10~500Hz, 30m/s², X, Y, Z direction/hour Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Weight	0.2Kg	0.3Kg	0.9Kg
Operating ambient humidity Storage ambient temperature -20°C ~ 60°C Storage ambient humidity 10% to 90% noncondensing 10% to 90% noncondensing 10% to 90% noncondensing 10% to 90% noncondensing Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Environmental specifications			
Storage ambient temperature -20°C ~ 60°C Storage ambient humidity 10% to 90% noncondensing 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Operating ambient temperature		0°C ~ 50°C	
Storage ambient humidity 10% to 90% noncondensing 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Operating ambient humidity		10% to 90% noncondensing	
Sine vibration test 10~500Hz, 30m/s², X, Y, Z direction/hour Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Storage ambient temperature		-20°C ~ 60°C	
Cooling mode Natural air cooling Product certification Panel protection grade Conforming to IP20 certification	Storage ambient humidity		10% to 90% noncondensing	
Product certification Panel protection grade Conforming to IP20 certification	Sine vibration test		10~500Hz, 30m/s ² , X, Y, Z direction/hour	r
Panel protection grade Conforming to IP20 certification	Cooling mode		Natural air cooling	
	Product certification			
CE authentication EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	Panel protection grade		Conforming to IP20 certification	
	CE authentication	EN6	1000-6-4:2007+A1:2011, EN61000-6-2:2	2005

SZ7G Series handheld terminal

- Basic specification: 7" TFT, 800×480 pixels, 16.7M true color.
 Standard configuration: 3-option switch, emergency stop switch, holding switch, 10 custom buttons, 2 indicators.
- Practical design: both buttons and touch control, more applications, more flexible choices.
- Mobile operation: handheld terminal, standard with 5 meters of cable.
- Various installation methods, such as suspension, scaffolding, etc.



Model	SZ7G	SZ7GS	SZ7GE	SZ7GES
Performance specificati	on	•	<u> </u>	•
Display size		7 "	TFT	
Resolution		800*48	30 pixels	
Display color		16.7M t	rue color	
Brightness		2500	cd/m²	
Backlight		L	ED	
Touch panel	4 line pred	ision resistance ne	etwork (surface h	ardness 4H)
Backlight life		50000) hours	
Programable button		1	10	
Programable LED			2	
Emergency button			1	
Selection switch			1	
Handhold switch	None	1	None	1
Processor		ARM RISC 3	32bit 800MHz	
Memory	1	28MB NAND Flash	+128MB DDR3 R	AM
RTC		Bui	lt-in	
Expandable memory			B Host	
Ethernet	N	one		self-adaptive
Program download	Serial po	ort/U disk		Ethernet
COM port		, COM0:RS232		ernet
Electrical specifications		,		
Input power supply		16~32V, Built-in is	solation power su	pply
Rated power	_		DC24V	F F - 7
Power down allowed			3ms	
nsulation resistance		Over 50MC	2@500V DC	
Dielectric strength test			1 minute	
Cable length			m	
Structure specifications				_
Shell color		Bla	ack	
Shell material		Engineer	ing plastic	
Dimensions			6*45 mm	
Installation	B	racket mounting, s	suspension mount	ina
Environmental specifica		, , , , , , , , , , , , , , , , , , ,	,	5
Operating temperature		0° C ^	√ 50° C	
Operating humidity		10% to 90% i	noncondensing	
Storage temperature			~ 60° C	
Storage humidity		10% to 90% i	noncondensina	
Sine vibration test	10	~500Hz, 30m/s²,		nour
Cooling mode			air cooling	
Product certification			5	
Degree of protection		Front panel IP65	5,overall unit IP62	
CE authentication	FN6	1000-6-4:2007+A1:		:2005
Software	2110			
Configuration software		Kinco DTools V	3.4.3 and above	
3				



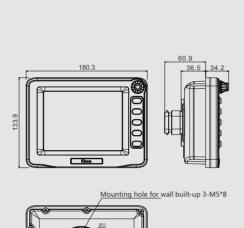
Customized Series

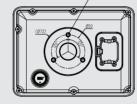
CZ6 Designed for use in severe environments

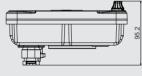
- Outer shell use high thermostability, high intensity, anti-uvioresistant material ensure the best performance when HMI working in the severe environment.
- With wide range temperature LCD, working temperature can be -20° C 60° C.
- Highly shockproof performance.
- Multiple serial ports, CAN port, support CANopen/CANJ1939/serials port/RS232/RS485.
- Whole body IP65 protection.

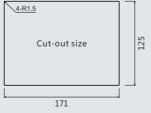
		7 25 00 25 00
Model	CZ6	Mechanical Dimensions (Unit:mm)
Performance specification	1	
Display	5.7 " TFT	
Resolution	640*480 pixels	
Color	65536 colors	
Brightness	700cd/m ²	60
Backlight	LED	180.3
Backlight life	50000 hrs	
Processor	RISC Cortex-A8 800MHz	
Memory	256MB Flash + 256MB DDR3	
RTC	Built-in	
Expandable memory	1 USB Host	
Print port	USB/serial port	(Nonco
Ethernet	None	
Program download	1*USB 2.0/Serial port	Mounting hole for wall buil
COM port	COM0: RS485, COM2: RS232, 1*CANopen	
Extended interface	None	(872)
Electrical specifications		
Input range	DC9V~DC36V	
Rated power	10W@DC24V (Isolation)	
Power down allowed	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Dielectric strength test	500V AC 1 minute	
Structure specifications		
Shell color	Navy blue	
Shell material	Engineering plastic	85.2
Dimensions	180.3*133.9*70.7 mm	
Cutout size	171*125mm	' l= "
Weight	1Kg	
Environmental specification	ons	
Operating temperature	-20° C ∼ 60° C	4-R1.5
Operating humidity	10% to 90% noncondensing	
Storage temperature	-30° C ~ 80° C	Cut-out size
Storage humidity	10% to 90% noncondensing	Cut out size
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour	
Cooling mode	Natural air cooling	
Product certification		171
Degree of protection	IP65 (whole body)	
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	
Software		
Configuration software	Kinco DTools V3.3 and above	











CZ10 Customized HMI for vehicle

- RISC Cortex-A8 800MHz CPU, faster and smoother. Large capacity, 256MB FLASH+256MB DDR3 RAM. Double CAN port design, support CANopen/CANJ1939. Double serial port extension, support RS232/485/422.
- Double video input, perfect for multi-channel monitoring.
- The buttons are equipped with adaptive backlight lighting, so that operation at night can be clearly seen.

 Wide temperature industrial-grade liquid crystal, working temperature -20° C ~ 70° C, full Angle of view,
- high brightness, visible under sunlight.
- All-metal structure body, better heat dissipation performance, better anti-vibration and anti-interference ability.
- Dual isolation circuit for power supply and serial port to minimize fault, downtime and additional service

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Model	CZ10	Mechanical Dimensions (Unit:mm)
Performance specification		
Display	10.4 " TFT	_
Resolution	640*480 pixel	17
Color	65536 colors	
Brightness	500cd/m ²	
Backlight	LED	
_	50000 hrs	300 —
Backlight life	00000 1112	7
Touch panel	None	
Funtion keys	16 keys, programmable functions can be customized	
Processor	RISC Cortex-A8 800MHz	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
Memory	256MB Flash + 256MB RAM	- 922 (9)
RTC	Built-in	66 FM
Expandable memory	1 USB Host (Max 16G)	FIS
Print port	USB Host/Slave/serial port	F16
Program download	1*USB 2.0/Serial port	_ Kinco .
COM port	2*CAN,1*RS232/RS485/RS422,1*RS232(isolation)	
Video input	2*CVBS analog signal input(BNC connector)	0
	support PAL/NTSC format	
Electrical specifications		
Power supply isolation	Built-in	
Rated power	12W	
Rated voltage	DC 24V	
Input range	DC9V~36V	
Power down allowed	<3ms	
Insulation resistance	Over 50MΩ@500V DC	 9
Dielectric strength test	500V AC 1 minute	
Structure specifications		•
Shell color	Brown	
Shell material	Aluminum alloy	
Dimensions	300*226*70 mm	
Cutout size	281*207 mm	
Weight	3.3Kg	
Environmental specificatio	ns	
Operating temperature	-20° C ~ 70° C	
Operating humidity	10% to 90% noncondensing	
Storage temperature	-30° C ~ 80° C	
Storage humidity	10% to 90% noncondensing	Cut-out size
Sine vibration test	10~500Hz, 30m/s², X, Y, Z direction/hour	
Cooling mode	Natural air cooling	
Product certification		
Degree of protection	IP65(4280-93)	
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005	281
Software		
Configuration software	Kinco DTools V3.3 and above	
Comiguration software	KITICO DIODIS V3.3 allu above	

Configuration Software: Kinco DTools





Kinco DTools configuration software. Support simplified Chinese, Chinese, English, Korean, German, Russian, Turkish, Arabic and other eight language versions. Configuration design content supports all installed fonts on your computer system. Support remote cloud monitoring, VNC supports terminal interopertation from screen to screen or screen to PC and mobile phone etc, support installment, PDF browsing, operation log and other convenient control design wizard guide interface, humanized design, what you see is



















Description of alternative and discontinued products

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Mass-produced	Discontinued	Note
GH150E	MT4720TE	The 15"green series HMIs, which is the enhanced series, has more serial ports. Its installment size is different but hole dimension is same.
GH104E	MT4523TE	Same cutout size
GH070E	MT4424TE	Same cutout size
GH070	MT4404T	Same cutout size
GH043	MT4210T	Same cutout size
GH043E	MT4220TE	Same cutout size
G070	MT4414T	Same cutout size
G070E	MT4414TE	Same cutout size
G070E-CAN	MT4414TE-CAN	Same cutout size
G100E	MT4512T/MT4512TE	Same cutout size
G121E	MT4620TE	Same cutout size
GL150E		15" Economic type
GL104E	MT4513TE	Same cutout size
GL100E	MT4532TE	Same cutout size
GL100	MT4532T	Same cutout size
GL070E	MT4434TE	Same cutout size
GL070	MT4434T	Same cutout size
GL043E	MT4230TE	Same cutout size
GL043	MT4230T	Same cutout size
Mass-produced	Discontinued	Note
F080E	MT5423T MT4403T/MT4403TE	Same cutout size
F104E	MT5520T	Same cutout size
F104E-CAN	MT5520T-CAN	Same cutout size
F150E	MT5720T	Same cutout size
SZ7G	SZ7	Same overall dimension
SZ7GE	SZ7E	Same overall dimension
SZ7GS	SZ7S	Same overall dimension
SZ7GES	SZ7ES	Same overall dimension

GREEN/FUTURE/ MT4000 series communication cables

Communication cable modle	Description of cable
Green-Micro USB	USB download cable from computer to GREEN series (with Micro USB) HMI (with magnetic ring)
MT54-PC	Serial download cable from GREEN/FUTURE/ MT4000 series HMI to the computer (3 meters)
MT54-CQM-FEMALE	RS232 communication cable between GREEN/FUTURE/MT4000 series HMI and OMRON C series PLC (3 meters)
MT54-FX-F	RS422 communication cable between GREEN/FUTURE/MT4000 series HMI and Mitsubishi FX series PLC (3 meters)
MT54-KC-FEMALE	RS232 communication cable between GREEN/FUTURE/MT4000 series HMI and Kinco PLC (3 meters)
MT54-S7-200-FEMALE	RS485 communication cable between GREEN/FUTURE/MT4000 series HMI and S7-200 series PLC (3 meters)
MT54-Schneider-M218	RS232 communication cable between GREEN/FUTURE/MT4000 series HMI and Schneider PLC (3 meters)

Tips: 1.For new projects, Kinco strongly suggest our customers to choose the Green series products and don't suggest to choose the MT4000 series.

2.The old projects in MT4000 series products can be opened directly in DTools. After simulation, they can downloaded to corresponding new type HMIs.