

PROVEN PERFORMANCE

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



Kinco

HMI
Touch Screen

Kinco HMI Catalog

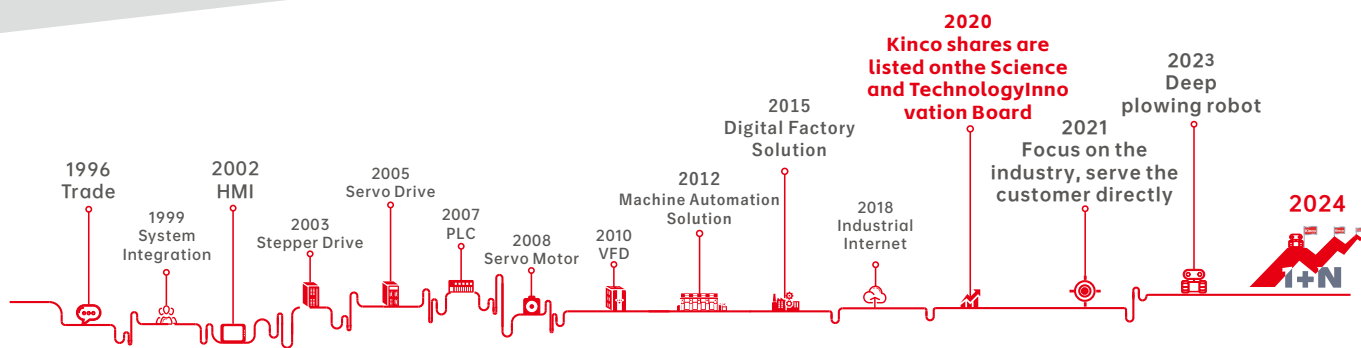
- FUTURE Series Second-generation
- GREEN Series Second-generation



Kinco® Automation
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Kinco was founded in 1996, and successfully listed on the Shanghai Stock Exchange in 2020 (abbreviated name: Kinco share, stock code 688160), which is a high-tech, specialized and sophisticated enterprise that attaches great importance to independent research and development and innovation, mainly engaged in the research and development, production, sales and related technical services of industrial automation and robot core components and digital factory hardware and software. It is a leading supplier of automation control, robot power and digital factory solutions in China.

After years of continuous research and development and innovation, Kinco has established a complete product line with independent intellectual property rights, covering a series of products from machine iot to human-machine interaction, control, drive and execution, which are widely used in robots, medical equipment, logistics equipment, packaging equipment, food equipment, clothing equipment, environmental protection equipment, etc. New energy equipment, rail transit equipment and other automation equipment industry.

Based on the comprehensive industrial automation and digital technology platform, the company has in-depth application scenarios in the robot industry, providing display, control, drive and other multi-dimensional solutions for industrial mobile robots, collaborative robots, industrial robots, pan-service robots, and bionic robots. Through the insight of the industry pain points, deep links with robot customers, combined with the advantages of product research and development, the company continues to innovate, and launches industry-leading low-voltage servo products for mobile robots, integrated servo wheel, frameless torque motor for collaborative robots, robot human-machine interfaces, robot controllers and other products. The company has formed a relatively complete robot core parts capability, and after nearly 10 years of hard work in the robot industry, it has become a leading enterprise in the field of mobile robot low-voltage servo, and has a high brand influence in the industry.

Kinco has four research and development centers in Shanghai, Shenzhen, Changzhou and Chengdu, and two manufacturing bases in Shenzhen and Changzhou, a total of 10+ domestic marketing centers, 100+ domestic service providers, 40+ global partners, and products are exported to 70+ countries overseas. In terms of after-sales service, Kinco has established after-sales service centers in Shanghai, Shenzhen and Changzhou.

FUTURE Series Second-generation

- 03 F2070E2
- 04 F2100E2
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GREEN Series Second-generation

- 09 G2070HE/G2070HE-WIFI/G2070HE2
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Desktop high-frequency reader-writer

Features of Kinco DToolsPro

FUTURE Series Second-generation
F2070E2

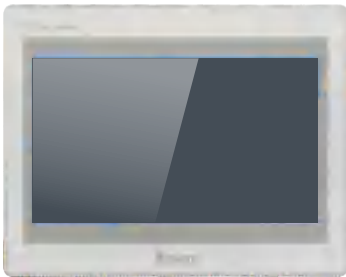
- 7" display, 16.77M true color
- Quad-core CPU, 1G memory + 8G flash memory
- Three-proofing coating for PCB moisture, mildew and corrosion proofing
- Isolated power supply with strong anti-interference capability, safe and reliable
- Designed with dual Ethernet ports and three serial ports, support dual-RS485 applications
- With the latest configuration software Kinco DToolsPro



Model/Specification		F2070E2	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size	7" TFT		
Display area	154.08(H)X85.92(V)		
Resolution	800*480 pixels		
Display color	16.77M true color		
Display angle of view	80/80/80/60 (left/right/up/down)		
Contrast ratio	800:1		
Backlight	LED		
Brightness	400cd/m2		
Backlight life	> 20,000 hours		
Touch panel	4-wire precision resistance network		
Processor	Quad-core ARM 1.8GHz		
Storage	8GB flash memory + 1GB memory		
RTC	Built-in RTC + 512KB recipe		
Expandable storage	1 USB Host		
Print port	USB host/serial port		
Ethernet	LAN0:10/100/1000 MbpsLAN1:10/100 Mbps		
Program download	Ethernet port/USB Slave/U disk		
Communication port	COM0:RS232/RS485/RS422;COM1:RS485/RS422;COM2:RS232;		
Electrical specifications			
Input power supply	DC18V~DC28V, built-in isolated		
Power consumption	7W@DC24V		
Insulation resistance	Over 50MΩ@500V DC		
Hi-pot test	500 VAC 1 minute		
Structure specifications	Structure specifications		
PCB coating	Yes		
Shell material	Engineering plastic		
Shape size	204×150×37(mm)		
Cutout size	192×138(mm)		
Weight	0.6kg		
Environmental specifications			
Operating ambient temperature	0~5℃		
Operating ambient humidity	10~90% RH (noncondensing)		
Storage ambient temperature	-20~60℃		
Storage ambient humidity	10~90% RH (noncondensing)		
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)		
Software			
Configuration software	Kinco DToolsPro		

FUTURE Series Second-generation
F2100E2

- 10.1", near-full-view HD display, 16.00M true color
- Designed with dual Ethernet ports and dual serial ports, achieve worry-free communication
- Quad-core high performance, large storage: 1GB RAM + 8GB NAND flash memory
- Built-in isolated power supply to prevent external interference and enhance reliability
- Natural and smooth lines, simple and graceful as a whole
- With the latest configuration software Kinco DToolsPro

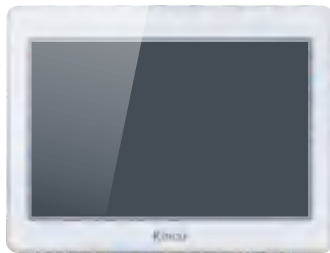


Model/Specification	F2100E2	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	10.1" TFT	
Display area	222.72(W)x125.28(H)	
Resolution	1,024*600 pixels	
Display color	16.77M	
Display angle of view	70/70/60/60 (left/right/up/down)	
Contrast ratio	500:1	
Backlight	LED	
Brightness	350cd/m2	
Backlight life	> 30,000 hours	
Touch panel	4-wire precision resistance network	
Processor	Quad-core ARM 1.8GHz	
Storage	8GB flash memory + 1GB memory	
RTC	Built-in RTC + 512KB recipe	
Expandable storage	1 USB Host	
Print port	USB host/serial port	
Ethernet	LAN0:10/100/1000 Mbps LAN1:10/100 Mbps	
Program download	Ethernet port/USB Slave/U disk	
Communication port	COM0:RS232/RS485/RS422;COM2:RS232;	
Electrical specifications		
Input power supply	DC10.8V~DC28V, built-in isolated	
Power consumption	7W@DC24V	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		
PCB coating (Yes/No)	Yes	
Shell material	Engineering plastic	
Shape size	271x213x38mm	
Cutout size	260x202mm	
Weight	1.1kg	
Environmental specifications		
Operating ambient temperature	0~50℃	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60℃	
Storage ambient humidity	10~90% RH (noncondensing)	
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)	
Software		
Configuration software	Kinco DToolsPro	

FUTURE Series Second-generation

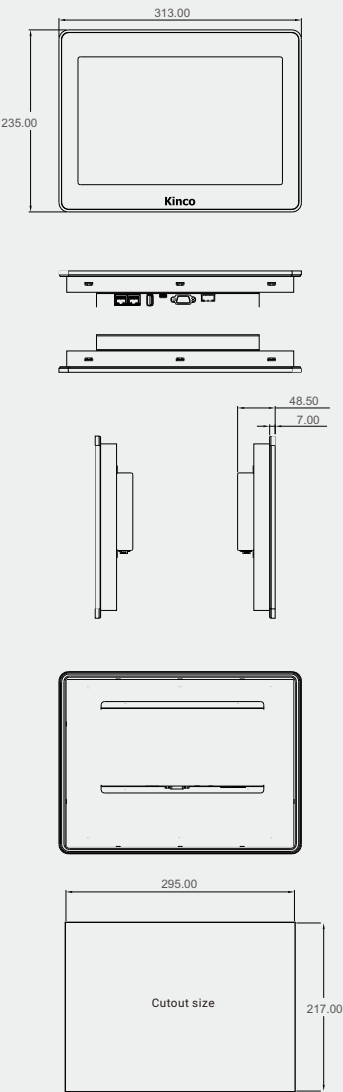
F2121E2

- 12.1", HD display, 16.00M true color
- Designed with dual Ethernet ports and dual serial ports design, achieve worry-free communication
- Quad-core CPU + 1GB memory + 8GB flash memory, extreme performance
- Metallic shell + three-proofing coating + power isolation, safe and reliable
- With the latest configuration software Kinco DToolsPro



Model/Specification	F2121E2
Performance specifications	
Display size	12.1"TFT
Display area	261.12(H)x163.20(V)
Resolution	1,280*800 pixels
Display color	16.77M
Display angle of view	85/85/85/85 (left/right/up/down)
Contrast ratio	1200:1
Backlight	LED
Brightness	500cd/m2
Backlight life	> 50,000 hours
Touch panel	4-wire precision resistance network
Processor	Quad-core ARM 1.8GHz
Storage	8GB flash memory + 1GB memory
RTC	Built-in RTC + 512KB recipe
Expandable storage	1 USB Host
Print port	USB host/serial port
Ethernet	LAN0:10/100/1000 Mbps LAN1:10/100 Mbps
Program download	Ethernet port/USB Slave/U disk
Communication port	COM0:RS232/RS485/RS422;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
Hi-pot test	500 VAC 1 minute
Structure specifications	
PCB coating (Yes/No)	Yes
Shell material	Metallic
Shape size	313x235x48.5mm
Cutout size	295x217mm
Weight	5kg
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)
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)
Software	
Configuration software	Kinco DToolsPro

Mechanical Dimensions (Unit: mm)



FUTURE Series Second-generation

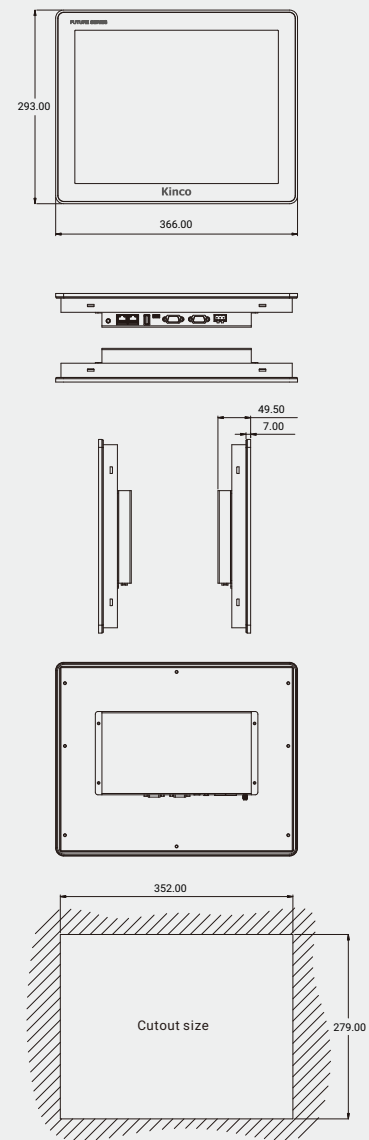
F2150E2

- 15", 1,024*768 resolution, 16.00M true color
- 88/88/88/88 near-full-view display
- Quad-core high performance CPU + 1G memory + 8G storage
- Designed with dual Ethernet ports, able to be connected to more peripherals
- Isolated power supply+ PCB three-proofing, being able to be used in multiple severe environments
- With the latest configuration software Kinco DtoolsPro



Model/Specification	F2150E2
Performance specifications	
Display size	15"TFT
Display area	304.1(H)X228.1(V)
Resolution	1,024*768 pixels
Display color	16.77M true color
Display angle of view	88/88/88/88 (left/right/up/down)
Contrast ratio	2500:1
Backlight	LED
Brightness	350cd/m2
Backlight life	70,000 hours
Touch panel	4-wire precision resistance network
Processor	Quad-core ARM 1.8GHz
Storage	8GB eMMC flash memory + 1GB RAM
RTC	Built-in RTC + 512KB recipe
Expandable storage	1 USB HostUSB host/serial port
Print port	LAN0:10/100/1000 Mbps LAN1:10/100 Mbps
Ethernet	IEEE802.11 b/g/nAP
Program download	Ethernet port/USB Slave/U disk
Communication port	COM0:RS232/RS485/RS422;COM1:RS485/RS422;COM2:RS232;
Electrical specifications	
Input power supply	DC18V~DC28V built-in isolated power supply
Power consumption	15W@DC24V
Insulation resistance	Over 50MΩ@500V DC
Hi-pot test	500 VAC 1 minute
Structure specifications	
PCB coating (Yes/No)	Yes
Shell material	Metallic
Shape size	366*293*49.5mm
Cutout size	352*279mm
Weight	5kg
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)
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)
Software	
Configuration software	Kinco DToolsPro

Mechanical Dimensions (Unit: mm)



FUTURE Series Second-generation

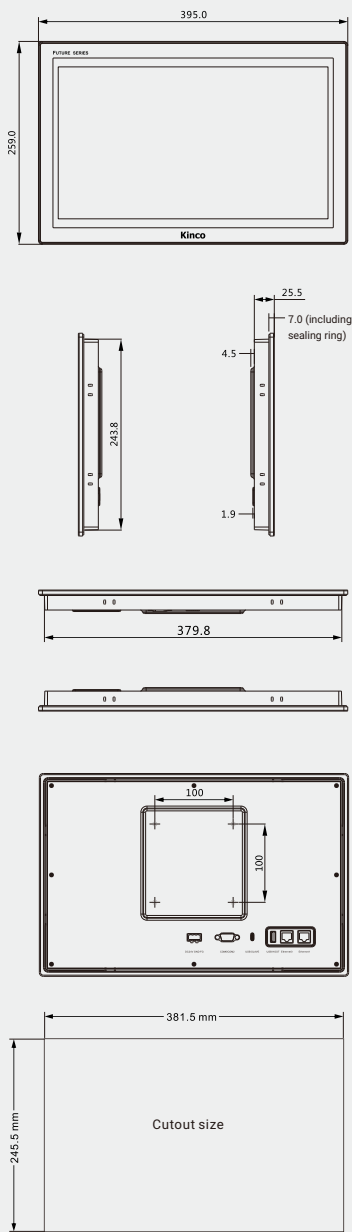
F2156E2

- 15.6" resistive screen, 2K display, 16.00M true color
- Designed with dual Ethernet ports and dual serial ports design, achieve worry-free communication
- Quad-core CPU + 1GB memory + 8GB flash memory, extreme performance
- Metallic shell + three-proofing coating + power isolation, safe and reliable
- With the latest configuration software Kinco DtoolsPro



Model/Specification	F2156E2
Performance specifications	
Display size	15.6" TFT
Display area	344.16(W)x193.59(H)
Resolution	1,920*1,080 pixels
Display color	16.2M
Display angle of view	89/89/89/89 (left/right/up/down)
Contrast ratio	1000:1
Backlight	LED
Brightness	300cd/m2
Backlight life	> 30,000 hours
Touch panel	4-wire precision resistance network (surface hardness: 3H)
Processor	Quad-core ARM 1.8GHz
Storage	8GB flash memory + 1GB memory
RTC	Built-in RTC + 512KB recipe
Expandable storage	1 USB Host
Print port	USB host/serial port
Ethernet	LAN0:10/100/1000 Mbps LAN1:10/100 Mbps
Program download	Ethernet port/USB Slave/U disk
Communication port	COM0:RS232/RS485/RS422;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
Hi-pot test	500 VAC 1 minute
Structure specifications	
PCB coating (Yes/No)	Yes
Shell material	Metallic
Shape size	395x259x25.5mm
Cutout size	381.5x245.5mm
Installation	Buckle mounting, and VESA rack mounting (VESA 100*100mm)
Weight	2.5kg
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)
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)
Software	
Configuration software	Kinco DToolsPro

Mechanical Dimensions (Unit: mm)



FUTURE Series Second-generation

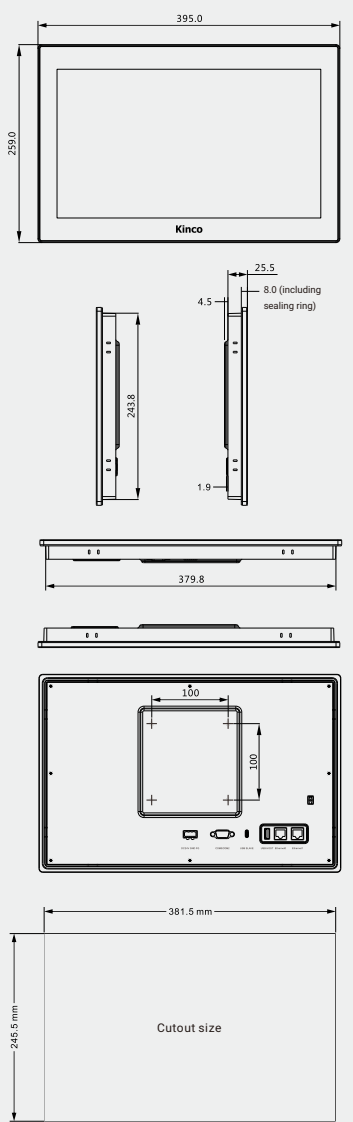
F2156E2-PX

- 15.6" resistive screen, 2K display, 16.00M true color
- Designed with dual Ethernet ports and dual serial ports design, achieve worry-free communication
- Quad-core CPU + 1GB memory + 8GB flash memory, extreme performance
- Metallic shell + three-proofing coating + power isolation, safe and reliable
- With the latest configuration software Kinco DtoolsPro



Model/Specification	F2156E2-PX
Performance specifications	
Display size	15.6" TFT
Display area	344.16(W)x193.59(H)
Resolution	1,920*1,080 pixels
Display color	16.2M
Display angle of view	89/89/89/89 (left/right/up/down)
Contrast ratio	1000:1
Backlight	LED
Brightness	300cd/m2
Backlight life	> 30,000 hours
Touch panel	4-wire precision resistance network (surface hardness: 3H)
Processor	Quad-core ARM 1.8GHz
Storage	8GB flash memory + 1GB memory
RTC	Built-in RTC + 512KB recipe
Expandable storage	1 USB Host
Print port	USB host/serial port
Ethernet	LAN0:10/100/1000 Mbps LAN1:10/100 Mbps
Program download	Ethernet port/USB Slave/U disk
Communication port	COM0:RS232/RS485/RS422;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
Hi-pot test	500 VAC 1 minute
Structure specifications	
PCB coating (Yes/No)	Yes
Shell material	Metallic
Shape size	395x259x25.5mm
Cutout size	381.5x245.5mm
Installation	Buckle mounting, and VESA rack mounting (VESA 100*100mm)
Weight	2.5kg
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)
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)
Software	
Configuration software	Kinco DToolsPro

Mechanical Dimensions (Unit: mm)



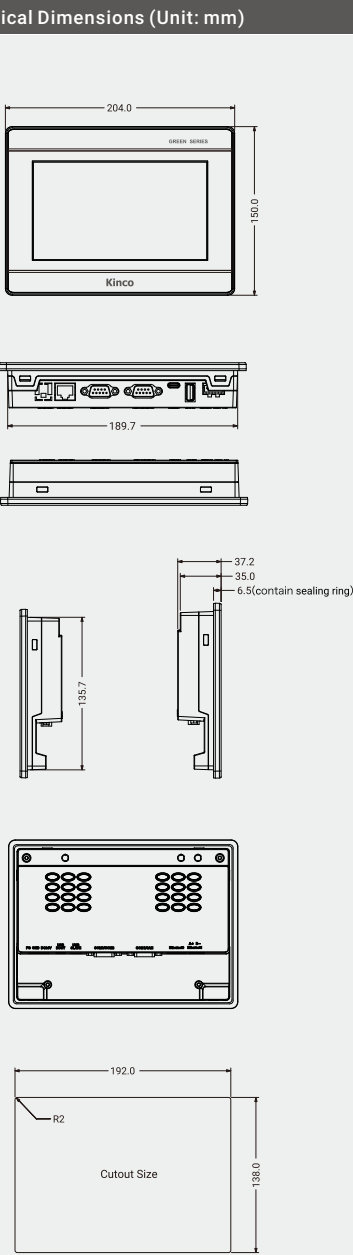
GREEN Series Second-generation

G2070HE/G2070HE-WIFI/G2070HE2

- 7-inch 1024*600 high-definition display with 16 million true colors
- 85/85/85/85 wide-viewing angle display
- Quad-core CPU with 512MB memory and 4GB flash storage
- Single Ethernet port plus three serial ports, supporting dual Rs485 applications
- Based on the latest Kinco DtoolsPro configuration software



Model specification	G2070HE	G2070HE-WIFI	G2070HE2
Performance specifications			
Display size	7" TFT		
Display area	154.21(H)×85.92(V)		
Resolution	1024*600 pixel		
Display color	16.77 million true colors		
Display viewing angle	85/85/85/85(left/right/up/down)		
Contrast ratio	800:1		
Backlight	LED		
Brightness	450cd/m2		
Backlight life	30000 hours		
Touch Panel	4 line precision resistance network (surface hardness 4H)		
CPU	Quad-core ARM 1.5GHz		
Memory	4GB eMMC+512MB RAM		
RTC	Built-in		
Extensible memory	1 USB Host		
Print port	USB Host/serial port		
Ethernet	Lan0:10/100Mbps		Lan0:10/100Mbps; Lan1:10/100Mbps
Program download	USB Slave(Type-C)/U disk/Ethernet port		
Network access	Ethernet	Ethernet/WIFI	Ethernet
Wi-Fi/wireless network band	None	IEEE802.11 b/g/n;802.11b:max 17dBm 802.11g:max 17dBm ;802.11n:max 17dBm	None
VPN	Support HMI remote upload, download and screen monitoring, support PLC transparent transmission program upload, download and monitoring		
Communication port	COM0:RS232/RS485/RS422;COM1:RS485/RS422;COM2:RS232		
Electrical specifications			
Input power supply	DC18V~DC28V		
Rated power	7W@DC 24V		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Pressure resistance test	500V AC 1minute		
Structure specifications			
PCB	None		
Shell material	Engineering plastic		
Overall dimension (mm)	204mm*150mm*37mm		
Cut-out dimension (mm)	192mm*138mm		
Weight(kg)	0.5Kg		
Environmental specification			
Working temperature	0~50℃		
Working humidity	10~90%RH (Non-condensing)		
Storage temperature	-20~60℃		
Storage humidity	10~90%RH (Non-condensing)		
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 requirements		
CE certificate	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)		
Software			
Configuration software	Kinco Dtools Pro		



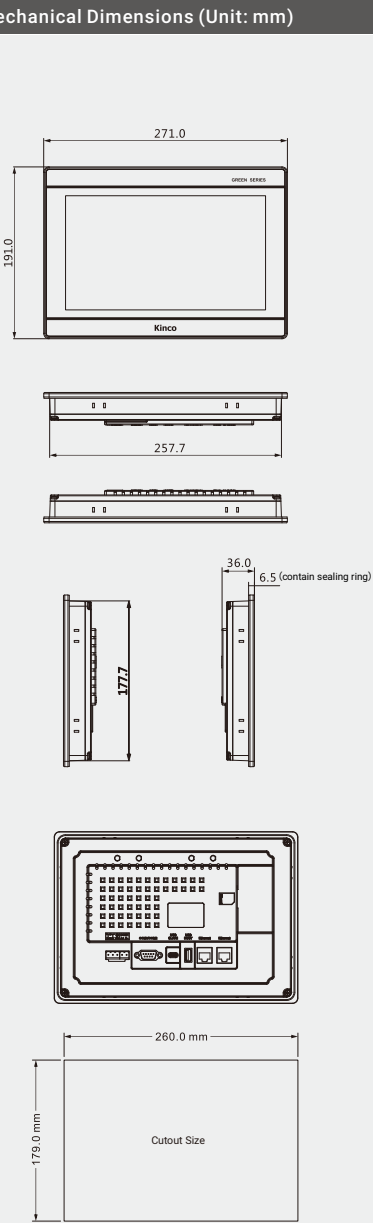
GREEN Series Second-generation

G2100E/G2100E-WIFI/G2100E2

- 10.1-inch 1024*600 high-definition display with 16 million true colors.
- 85/85/85/85 wide viewing angle display.
- Quad-core CPU with 512MB memory and 4GB flash storage.
- Three serial ports, supporting dual RS485 applications.
- Rear cable exit design, cable plug and unplug without interference.
- Based on the latest Kinco DToolsPro configuration software.



Model specification	G2100E	G2100E-WIFI	G2100E2
Performance specifications			
Display size	10.1" TFT		
Display area	222.72(H)×125.28(V)		
Resolution	1024*600 pixel		
Display color	16.77 million true colors		
Display viewing angle	85/85/85/85(left/right/up/down)		
Contrast ratio	500:1		
Backlight	LED		
Brightness	300cd/m2		
Backlight life	30000 hours		
Touch Panel	4 line precision resistance network (surface hardness 4H)		
CPU	Quad-core ARM 1.5GHz		
Memory	4GB eMMC+512MB RAM		
RTC	Built-in		
Extensible memory	1 USB Host		
Print port	USB Host/serial port		
Ethernet	Lan0:10/100Mbps		Lan0:10/100Mbps; Lan1:10/100Mbps
Program download	USB Slave(Type-C)/U disk/Ethernet port		
Network access	Ethernet	Ethernet/WIFI	Ethernet
Wi-Fi/wireless network band	None	IEEE802.11 b/g/n;802.11b:max 17dBm 802.11g:max 17dBm ;802.11n:max 17dBm	None
VPN	Support HMI remote upload, download and screen monitoring, support PLC transparent transmission program upload, download and monitoring		
Communication port	COM0:RS232/RS485/RS422;COM1:RS485;COM2:RS232		
Electrical specifications			
Input power supply	DC18V~DC28V		
Rated power	7W@DC 24V		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Pressure resistance test	500V AC 1minute		
Structure specifications			
PCB	None		
Shell material	Engineering plastic		
Overall dimension (mm)	271mm*191mm*36mm		
Cut-out dimension (mm)	260mm*179mm		
Weight(kg)	0.9Kg		
Environmental specification			
Working temperature	0~50℃		
Working humidity	10~90%RH (Non-condensing)		
Storage temperature	-20~60℃		
Storage humidity	10~90%RH (Non-condensing)		
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 requirements		
CE certificate	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)		
Software			
Configuration software	Kinco Dtools Pro		



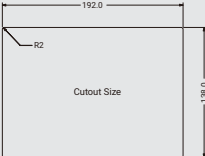
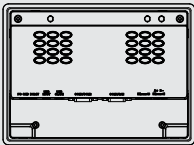
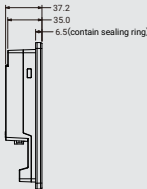
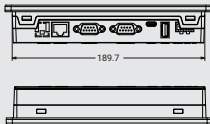
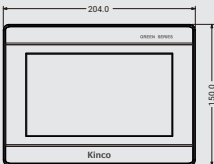
GREEN Series Second-generation

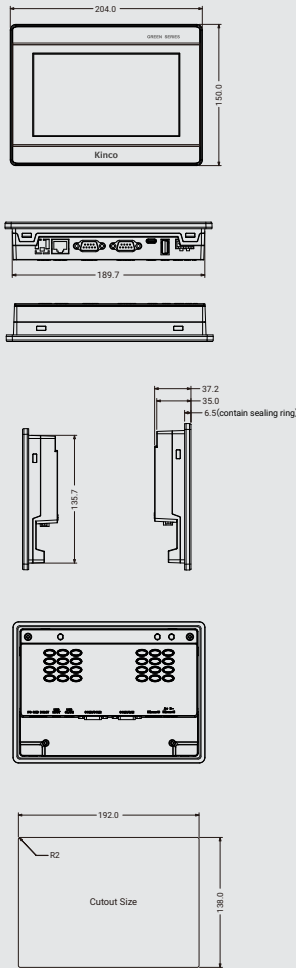
G2101E/G2101E2

- 7-inch 1024*600 high-definition display with 16 million true colors
- 85/85/85/85 wide-viewing angle display
- Quad-core CPU with 512MB memory and 4GB flash storage
- Single Ethernet port plus three serial ports, supporting dual Rs485 applications
- Based on the latest Kinco DtoolsPro configuration software



Model specification		G2101E	G2101E2
Performance specifications			
Display size	10.1" TFT		
Display area	222.72(H)×125.28(V)		
Resolution	1024*600 pixel		
Display color	16.77 million true colors		
Display viewing angle	70/70/60/60(left/right/up/down)		
Contrast ratio	500:1		
Backlight	LED		
Brightness	350cd/m2		
Backlight life	30000 hours		
Touch Panel	4 line precision resistance network (surface hardness 4H)		
CPU	Quad-core ARM 1.5GHz		
Memory	4GB eMMC+512MB RAM		
RTC	Built-in		
Extensible memory	1 USB Host		
Print port	USB Host/serial port		
Ethernet	Lan0:10/100Mbps	Lan0:10/100Mbps;Lan1:10/100Mbps	
Program download	Ethernet/USB Slave/Serial port		
Communication port	COM0:RS232/RS485/RS422;COM1:RS485/RS422;COM2:RS232		
Electrical specifications			
Input power supply	DC18V~DC28V		
Rated power	7W@DC 24V		
Insulation resistance	Over 50MΩ@500V DC		
Pressure resistance test	500V AC 1minute		
Structure specifications			
PCB	None		
Shell material	Engineering plastic		
Overall dimension (mm)	271mm*213mm*38mm		
Cut-out dimension (mm)	260mm*202mm		
Weight(kg)	1.1Kg		
Environmental specification			
Working temperature	0~50℃		
Working humidity	10~90%RH (Non-condensing)		
Storage temperature	-20~60℃		
Storage humidity	10~90%RH (Non-condensing)		
Sine vibration test	10 ~500Hz,30m/s², X,Y,Z direction/hour		
Cooling mode	Natural air cooling		
Product certification			
Panel protection grade	Ip65 certification(4208-93)		
CE certificate	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)		
Software			
Configuration software	Kinco Dtools Pro		



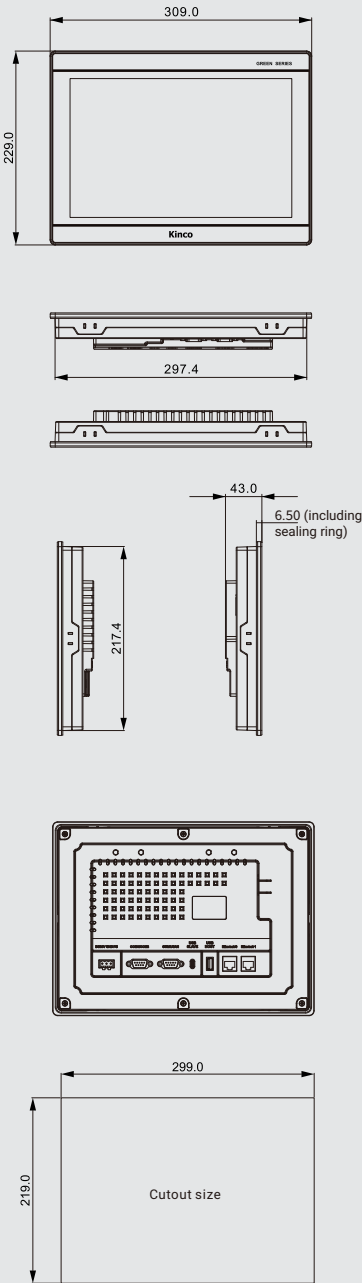


GREEN Series Second-generation

G2121E2

- 15.6" resistive screen, 2K display, 16.00M true color
- Designed with dual Ethernet ports and dual serial ports design, achieve worry-free communication
- Quad-core CPU + 1GB memory + 8GB flash memory, extreme performance
- Metallic shell + three-proofing coating + power isolation, safe and reliable
- With the latest configuration software Kinco DtoolsPro

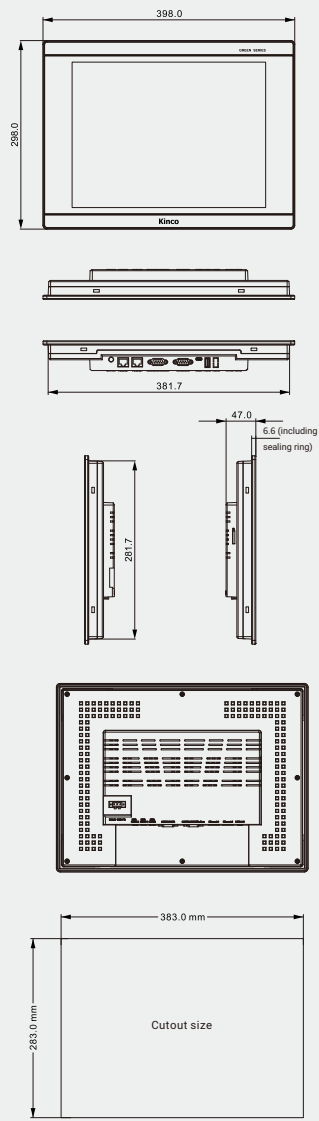


Model/Specification		G2121E2	Mechanical Dimensions (Unit: mm)	
Performance specifications				
Display size	12.1" TFT			
Display area	261.12(H)X163.20(V)			
Resolution	1,280*800 pixels			
Display color	16.7M true color			
Display angle of view	85/85/85/85 (left/right/up/down)			
Contrast ratio	1200:1			
Backlight	LED			
Brightness	500cd/m2			
Backlight life	> 50,000 hours			
Touch panel	4-wire precision resistance network			
Processor	Quad-core ARM 1.5GHz			
Storage	4GB eMMC flash memory + 512MB RAM			
RTC	Built-in RTC + 512KB recipe			
Expandable storage	1 USB Host			
Print port	USB host/serial port			
Ethernet	LAN0:10/100 Mbps LAN1:10/100 Mbps			
Program download	Ethernet port/USB Slave/U disk			
Communication port	COM0:RS232/RS485/RS422; COM1:RS485/RS422; COM2:RS232;			
Electrical specifications				
Input power supply	DC18V~DC28V			
Power consumption	15W@DC24V			
Insulation resistance	Over 50MΩ@500V DC			
Hi-pot test	500 VAC 1 minute			
Structure specifications				
PCB coating (Yes/No)	None			
Shell material	Engineering plastic			
Shape size	309x229x43mm			
Cutout size	299x219mm			
Weight	1.6kg			
Environmental specifications				
Operating ambient temperature	0~50℃			
Operating ambient humidity	10~90% RH (noncondensing)			
Storage ambient temperature	-20~60℃			
Storage ambient humidity	10~90% RH (noncondensing)			
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)			
Software				
Configuration software	Kinco DToolsPro			

GREEN Series Second-generation
G2150E2

- 15", 1,024*768 resolution, 16.00M true color
- 88/88/88/88 near-full-view display
- Quad-core CPU + 512MB memory + 4G storage
- Designed with dual Ethernet ports and three serial ports, support dual-RS485 applications
- Built-in isolated power supply, good protection
- With the latest configuration software Kinco DToolsPro

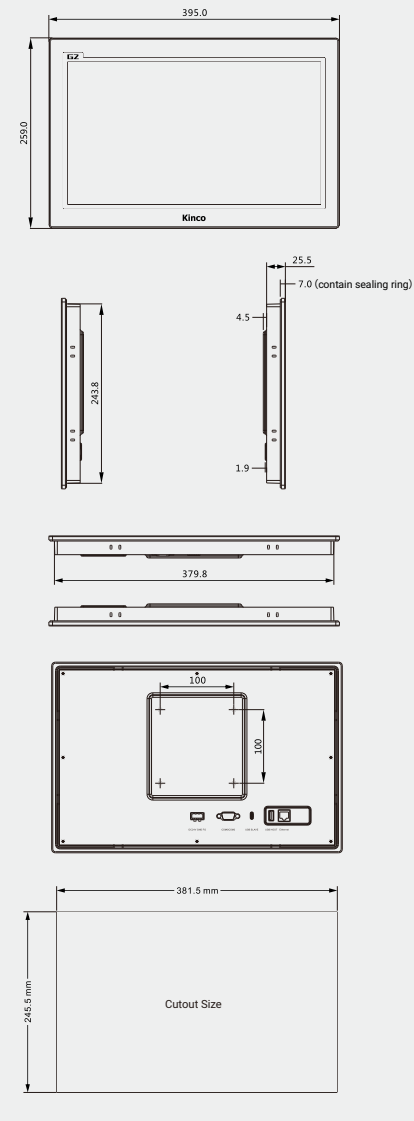


Model/Specification	G2150E2	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	15" TFT	
Display area	304.1(H)X228.1(V)	
Resolution	1,024*768 pixels	
Display color	16.77M true color	
Display angle of view	88/88/88/88 (left/right/up/down)	
Contrast ratio	2500:1	
Backlight	LED	
Brightness	350cd/m2	
Backlight life	70,000 hours	
Touch panel	4-wire precision resistance network	
Processor	Quad-core ARM 1.5GHz	
Storage	4GB eMMC flash memory + 512MB RAM	
RTC	Built-in RTC + 512KB recipe	
Expandable storage	1 USB Host	
Print port	USB host/serial port	
Ethernet	LAN0:10/100 Mbps LAN1:10/100 Mbps	
Program download	Ethernet port/USB Slave/U disk	
Communication port	COM0:RS232/RS485/RS422; COM1:RS485/RS422; COM2:RS232;	
Electrical specifications		
Input power supply	DC18V~DC28V, built-in isolated	
Power consumption	15W@DC24V	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	
Structure specifications		
PCB coating (Yes/No)	None	
Shell material	Engineering plastic	
Shape size	398×298×47(mm)	
Cutout size	383×283(mm)	
Weight	3kg	
Environmental specifications		
Operating ambient temperature	0~50℃	
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60℃	
Storage ambient humidity	10~90% RH (noncondensing)	
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)	
Software		
Configuration software	Kinco DToolsPro	

GREEN Series Second-generation
G2156E/G2156E-WIFI

- 15.6-inch 1920*1080 high-definition display with 16 million true colors.
- 80/80/80/80 wide viewing angle display
- Quad-core CPU with 512MB memory and 4GB flash storage.
- Rear cable exit design, cable plug and unplug without interference.
- Based on the latest Kinco Dtools Pro configuration software.



Model specification	G2156E	G2156E-WIFI	Mechanical Dimensions (Unit: mm)	
Performance specifications				
Display size	15.6" TFT			
Display area	334.16(W) × 193.59(H)			
Resolution	1920*1080 pixel			
Display color	16.77 million true colors			
Display viewing angle	80/80/80/80(left/right/up/down)			
Contrast ratio	1000:1			
Backlight	LED			
Brightness	250cd/m2			
Backlight life	20000 hours			
Touch Panel	4 line precision resistance network (surface hardness 4H)			
CPU	Quad-core ARM 1.5GHz			
Memory	4GB eMMC+512MB RAM			
RTC	Built-in			
Extensible memory	1 USB Host			
Print port	USB Host/serial port			
Ethernet	10/100Mbps			
Program download	USB Slave(Type-C)/U disk/Ethernet port			
Ethernet	Ethernet	Ethernet/WIFI		
Wi-Fi/wireless network band	None	IEEE802.11 b/g/n;802.11b:max 17dBm 802.11g:max 17dBm ;802.11n:max 17dBm		
VPN	Support HMI remote upload, download and screen monitoring,support PLC transparent transmission program upload, download and monitoring			
Communication port	COM0:RS232/RS485/RS422;COM2:RS232			
Electrical specifications				
Input power supply	DC18V~DC28V			
Rated power	15W@DC 24V			
Allowable loss of power	<3ms			
Insulation resistance	Over 50MΩ@500V DC			
Pressure resistance test	500V AC 1minute			
Structure specifications				
PCB	None			
Shell material	Engineering plastic			
Overall dimension (mm)	395mm*259mm*25.5mm			
Cut-out dimension (mm)	381.5mm*245.5mm			
Installation method	Snap-in installation, VESA mount installation(VESA:100*100mm)			
Weight(kg)	2.5Kg			
Environmental specification				
Working temperature	0~50℃			
Working humidity	10~90%RH (Non-condensing)			
Storage temperature	-20~60℃			
Storage humidity	10~90%RH (Non-condensing)			
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 requirements			
CE certificate	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)			
Software				
Configuration software	Kinco DToolsPro			

GREEN Series Second-generation

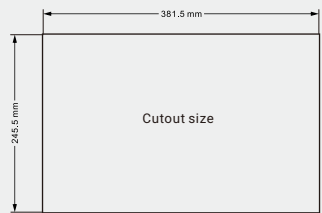
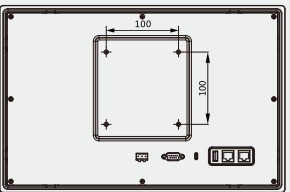
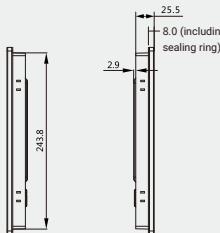
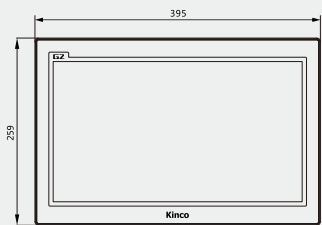
G2156E2

- 15.6", 2K display, 16.00M true color
- Designed with single Ethernet port and dual serial ports, achieve worry-free communication
- Quad-core CPU + 512M memory + 4GB flash memory, extreme performance
- Metallic shell + three-proofing coating + power isolation, safe and reliable
- With the latest configuration software Kinco DToolsPro



Model/Specification	G2156E2
Performance specifications	
Display size	15.6" TFT
Display area	344.16(W)x193.59(H)
Resolution	1,920*1,080 pixels
Display color	16.7M
Display angle of view	80/80/80/80 (left/right/up/down)
Contrast ratio	1000:1
Backlight	LED
Brightness	250cd/m2
Backlight life	> 20,000 hours
Touch panel	4-wire precision resistance network (surface hardness: 3H)
Processor	Quad-core ARM 1.5GHz
Storage	4GB flash memory + 512MB memory
RTC	Built-in RTC + 512KB recipe
Expandable storage	1USB Host
Print port	USB host/serial port
Ethernet	LAN0:10/100 Mbps
Program download	Ethernet port/USB Slave/U disk
Communication port	COM0:RS232/RS485/RS422;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
Hi-pot test	500 VAC 1 minute
Structure specifications	
Shell material	Metallic
Shape size	395x259x25.5mm
Cutout size	381.5x245.5mm
Installation	Buckle mounting, and VESA rack mounting (VESA 100*100mm)
Weight	2.5kg
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)
Shockproof performance	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 (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)
Software	
Configuration software	Kinco DToolsPro

Mechanical Dimensions (Unit: mm)



GREEN Series Second-generation

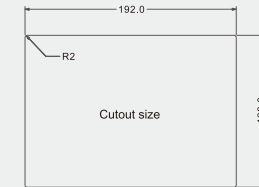
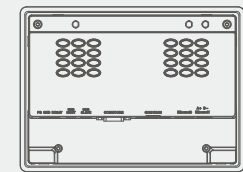
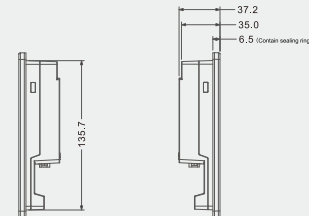
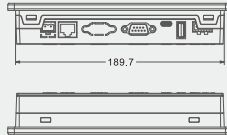
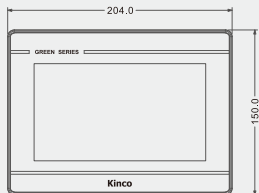
GL2070HE/GL2070HE-WIFI/GL2070HE-4G

- 7-inch 1024*600 high-definition display with 16.77 million true colors
- 85/85/85/85 wide viewing angle display
- Dual-core CPU with 256MB memory and 4GB flash storage
- Single Ethernet port plus three serial ports,supporting dual RS485 applications
- Multiple networking options, Ethernet/Wi-Fi/4G to choose from freely
- Based on the latest EdgeAccess 2.0 version, enjoy seamless IoT connectivity
- Based on the latest Kinco Dtools Pro configuration software



Model specification	GL2070HE	GL2070HE-WIFI	GL2070HE-4G
Performance specifications			
Display size	7" TFT		
Display area	154.21(H)×85.92(V)		
Resolution	1024*600 pixel		
Display color	16.77 million true colors		
Display viewing angle	85/85/85/85 (left/right/up/down)		
Contrast ratio	800:1		
Backlight	LED		
Brightness	450cd/m2		
Backlight life	30000 hours		
Touch Panel	4 line precision resistance network (surface hardness 4H)		
CPU	ARMCort ex-A7DualCore 1GHz		
Memory	4GB eMMC+256MB RAM		
RTC	Built-in		
Extensible memory	1 USB Host,1 USB Slave(Type-C)		
Print port	USB Host/serial port		
Ethernet	10/100 Mbps		
Program download	USB Slave (Type-C)/U disk/Ethernet port		
Network access	Ethernet	Ethernet/WiFi	Ethernet/4G
Wi-Fi/wireless network band	None	IEEE802.11 b/g/n:802.11b:max 17dBm 802.11g:max 17dBm 802.11n:max 17dBm	LTE-FDD Band 1/3/5/8, LTE-TDD Band 38/39/40/41 UMTS Band 1/8 GSM Band 3/8
VPN	Support HMI remote upload, download and screen monitoring, support PLC transparent transmission program upload, download and monitoring		
Communication port	COM0:RS232/RS485/RS422; COM1:RS485;COM2:RS232		
Electrical specifications			
Input power supply	DC10.8V ~DC28V		
Rated power	4.2W@DC 24V		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Pressure resistance test	500V AC 1minute		
Structure specifications			
PCB	None		
Shell material	Engineering plastic		
Overall dimension (mm)	204mm*150mm*37mm		
Cut-out dimension (mm)	192mm*138mm		
Weight(kg)	0.5kg		
Environmental specification			
Working temperature	0 ~50℃		
Working humidity	10~90%RH (Non-condensing)		
Storage temperature	-20~60℃		
Storage humidity	10~90%RH (Non-condensing)		
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 requirements		
CE certificate	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005		
Software			
Configuration software	Kinco DToolsPro V1.7.5 or above		

Mechanical Dimensions (Unit: mm)



GREEN Series Second-generation

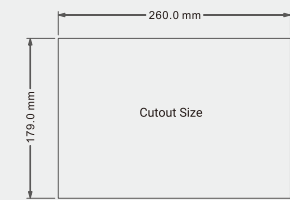
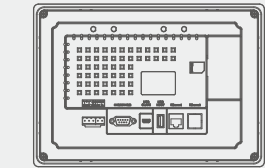
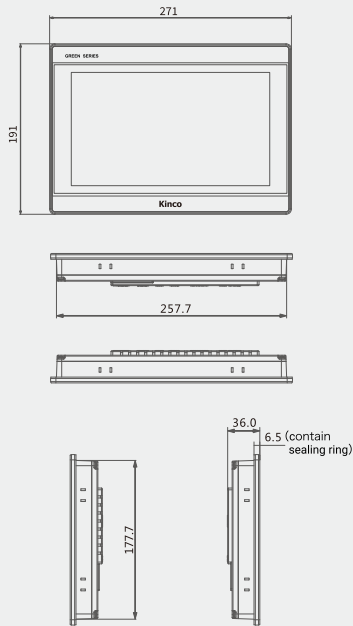
G2100E/GL2100E-WIFI/GL2100E-4G

- 10.1-inch 1024*600 high-definition display with 16.2 million true colors
- 85/85/85/85 wide viewing angle display
- Dual-core CPU with 256MB memory and 4GB flash storage
- Single Ethernet port plus three serial ports,supporting dual RS485 applications
- Rear cable exit design,worry-free cable plugging and unplugging
- Multiple networking options,Ethernet/Wi-Fi/4G to choose from freely
- Based on the latest EdgeAccess 2.0 version ,enjoy seamless IoT connectivity
- Based on the latest Kinco Dtools Pro configuration software

Model specification	GL2100E	GL2100E-WIFI	GL2100E-4G
Performance specifications			
Display size	10.1" TFT		
Display area	222.72(H)×125.28(V)		
Resolution	1024*600 pixel		
Display color	16.2 million true colors		
Display viewing angle	85/85/85/85 (left/right/up/down)		
Contrast ratio	500:1		
Backlight	LED		
Brightness	300cd/m2		
Backlight life	30000 hours		
Touch Panel	4 line precision resistance network (surface hardness 4H)		
CPU	ARMCort ex-A7DualCore 1GHz		
Memory	4GB eMMC+256MB RAM		
RTC	Built-in		
Extensible memory	1 USB Host,1 USB Slave(Type-C)		
Print port	USB Host/serial port		
Ethernet	10/100 Mbps		
Program download	USB Slave (Type-C)/U disk/Ethernet port		
Network access	Ethernet	Ethernet/WiFi	Ethernet/4G
Wi-Fi/wireless network band	None	"IEEE802.11 b/g/n:802.11b:max 17dBm ; 802.11g:max 17dBm; 802.11n:max 17dBm"	"LTE-FDD Band 1/3/5/8, LTE-TDD Band 38/39/40/41 UMTS Band 1/8 GSM Band 3/8"
VPN	Support HMI remote upload, download and screen monitoring, support PLC transparent transmission program upload, download and monitoring		
Communication port	"COM0:RS232/RS485/RS422; COM1:RS485;COM2:RS232"		
Electrical specifications			
Input power supply	DC10.8V ~DC28V		
Rated power	6W@DC 24V		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Pressure resistance test	500V AC 1minute		
Structure specifications			
PCB	None		
Shell material	Engineering plastic		
Overall dimension (mm)	271mm*191mm*36mm		
Cut-out dimension (mm)	260mm*179mm		
Weight(kg)	0.9kg		
Environmental specification			
Working temperature	0 ~50℃		
Working humidity	10~90%RH (Non-condensing)		
Storage temperature	-20~60℃		
Storage humidity	10~90%RH (Non-condensing)		
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 requirements		
CE certificate	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005		
Software			
Configuration software	Kinco DToolsPro V1.7.5 or above		



Mechanical Dimensions (Unit: mm)



GREEN Series Second-generation

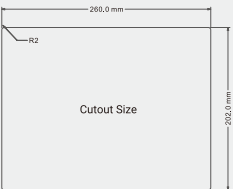
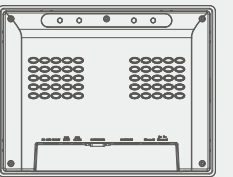
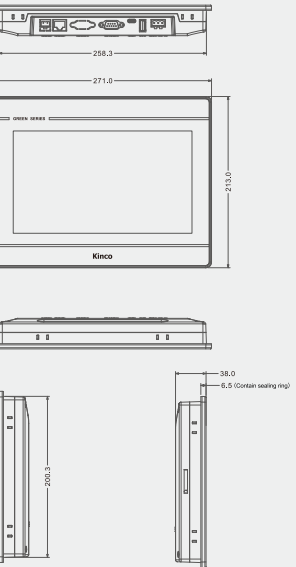
GL2101E/GL2101E-WIFI/GL2101E-4G

- 10.1-inch 1024*600 high-definition display with 16.2 million true colors.
- 85/85/85/85 wide viewing angle display.
- Dual-core CPU with 256MB memory and 4GB flash storage.
- Single Ethernet port plus three serial ports,supporting dual RS485 applications.
- Bottom cable exit design,saving back space.
- Multiple networking options,Ethernet/Wi-Fi/4G to choose from freely.
- Based on the latest EdgeAccess 2.0 version ,enjoy seamless IoT connectivity.
- Based on the latest Kinco Dtools Pro configuration software.

Model specification	GL2101E	GL2101E-WIFI	GL2101E-4G
Performance specifications			
Display size	10.1" TFT		
Display area	222.72(H)×125.28(V)		
Resolution	1024*600 pixel		
Display color	16.2 million true colors		
Display viewing angle	85/85/85/85 (left/right/up/down)		
Contrast ratio	500:1		
Backlight	LED		
Brightness	300cd/m2		
Backlight life	30000 hours		
Touch Panel	4 line precision resistance network (surface hardness 4H)		
CPU	ARMCort ex-A7DualCore 1GHz		
Memory	4GB eMMC+256MB RAM		
RTC	Built-in		
Extensible memory	1 USB Host,1 USB Slave(Type-C)		
Print port	USB Host/serial port		
Ethernet	10/100 Mbps		
Program download	USB Slave (Type-C)/U disk/Ethernet port		
Network access	Ethernet	Ethernet/WiFi	Ethernet/4G
Wi-Fi/wireless network band	None	"IEEE802.11 b/g/n: 802.11b:max 17dBm ; 802.11g:max 17dBm; 802.11n:max 17dBm"	"LTE-FDD Band 1/3/5/8, LTE-TDD Band 38/39/40/41 UMTS Band 1/8 GSM Band 3/8"
VPN	Support HMI remote upload, download and screen monitoring, support PLC transparent transmission program upload, download and monitoring		
Communication port	"COM0:RS232/RS485/RS422; COM1:RS485;COM2:RS232"		
Electrical specifications			
Input power supply	DC10.8V ~DC28V		
Rated power	6W@DC 24V		
Allowable loss of power	<3ms		
Insulation resistance	Over 50MΩ@500V DC		
Pressure resistance test	500V AC 1minute		
Structure specifications			
PCB	None		
Shell material	Engineering plastic		
Overall dimension (mm)	271mm*213mm*38mm		
Cut-out dimension (mm)	260mm*202mm		
Weight(kg)	1.1kg		
Environmental specification			
Working temperature	0 ~50℃		
Working humidity	10~90%RH (Non-condensing)		
Storage temperature	-20~60℃		
Storage humidity	10~90%RH (Non-condensing)		
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 requirements		
CE certificate	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005		
Software			
Configuration software	Kinco DToolsPro V1.7.5 or above		



Mechanical Dimensions (Unit: mm)



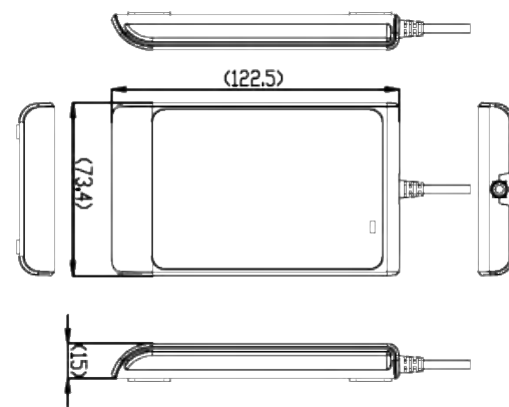
R321KB Series Desktop High-frequency Reader-writer

- Support USB port communication
- Built-in high frequency antenna
- Support ISO/IEC 14443A/B, ISO/IEC 15693 and ISO1 8000-3M1
- The effective reading/writing distance is up to 5cm (Source: Mifare1 S50 card in the environments free from other disturbances at room temperature)
- Built-in LED indicator and buzzer

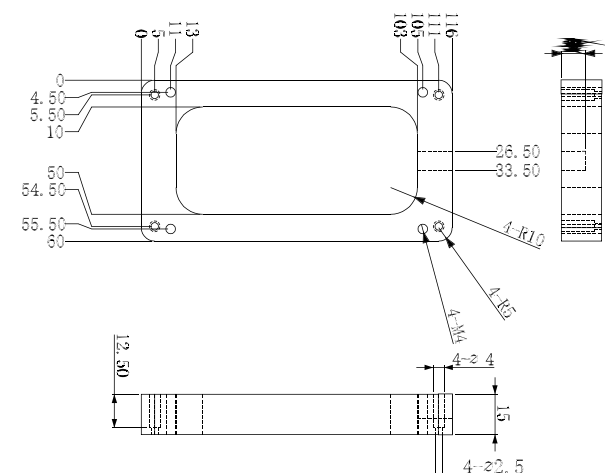


Model	RFID-R321KB-PB
Parameters	
Operating voltage/power consumption	+5V/0.3W
Communication port	USB
Port type	USB Type A
Operating frequency	13.56MHz
Antenna pattern	Integrated
TX power	0.2W
Supported protocols	ISO14443A/B,ISO15693/ISO18000-3M1
Tag reading distance	5cm
Operating temperature	-10℃~+65℃
Dimensions	122×73×15mm
Material	ABS

Mechanical Dimensions (Unit: mm)



SN	Port type	Pin definition	功能说明
CON1	USB Type A male connector	PIN1	+5V
		PIN2	D-
		PIN3	D+
		PIN4	GND
LED	LED indicator	Steady green light	The device is operating normally
		Flashing green light	Electronic tag reading succeeded
ANT	Antenna	/	Card reading area of reader



A new generation of Kinco configuration software:

Kinco DTools



The office software is of novel, simple and elegant style

The object-oriented development enables it to give quick response for maintenance and upgrade

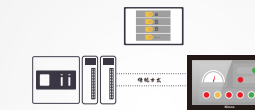
The tag-variable configuration mode makes it close to the ST language programming habits

Integrated button, multiple copy, batch modification and other convenient operations boost efficient configuration



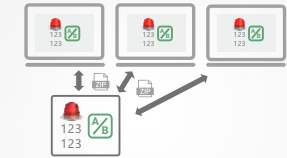
Operation log

Support table layout import and export
as well as fast configuration



Tag communication

OMRON, Siemens, Bottu, codesys, etc.



Template library

With custom grouped controls,
support import and export



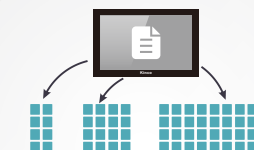
RFID

USB driver-free, card-swiping
login checked by one click



Database

Built-in SQLite for supporting access
My SQL. SQL Server. Postgresql



I/O

Support 8/16/32 bits data, and import or export configurations through descriptions



E-signature

Double confirmation by operator
and proofer, perfect tracking
of historical logs



Macros

Function template insertion,
variable search and substitution,
separate compilation



Dynamic alarms

Support deviation, multi-range and expression alarms as well as history enquiry