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MOTION CONTROL PRODUCTS

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DToolsPro-202503

Kinco

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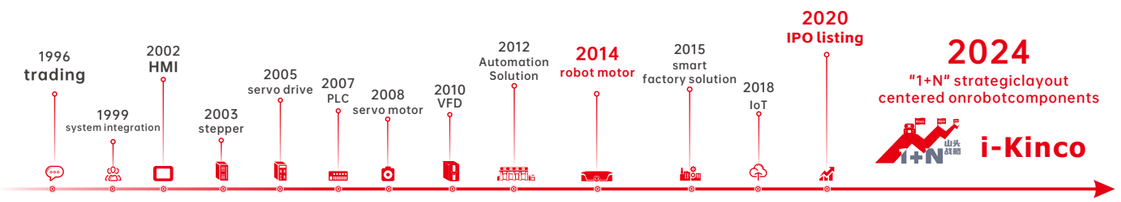
MOTION CONTROL PRODUCTS

HMI
Touch Screen

Kinco HMI Catalogue

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

About us



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.

Four R&D centers and two manufacturing bases

Shanghai

Shenzhen

Changzhou

Chengdu

Shenzhen Manufacturing Center
HMI, PLC, drive class

Changzhou Manufacturing Base
electric machinery

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Desktop high-frequency reader-writer

Features of Kinco DToolsPro

Specializing in industrial human-machine interfaces for 23 years
Consistently delivering high-quality products

As a pioneer in domestic HMI technology, Kinco has been deeply involved in customer sites for many years, gaining insights into customer needs. Building on the upgrades of its original GREEN and FUTURE series, Kinco has launched the GL2, G2, and F2 series of industrial HMI, targeting different niche customer segments。

Six major highlights of Kinco

Pioneer	**Industrial control leading stock**	**23 years**
Chinese brand	List on the STAR Market	Technical precipitation
Complete product categories	**Certificate qualifications**	**Global services**
Full set of industrial control solutions	CE and UL certifications	Sold far in domestic and overseas markets

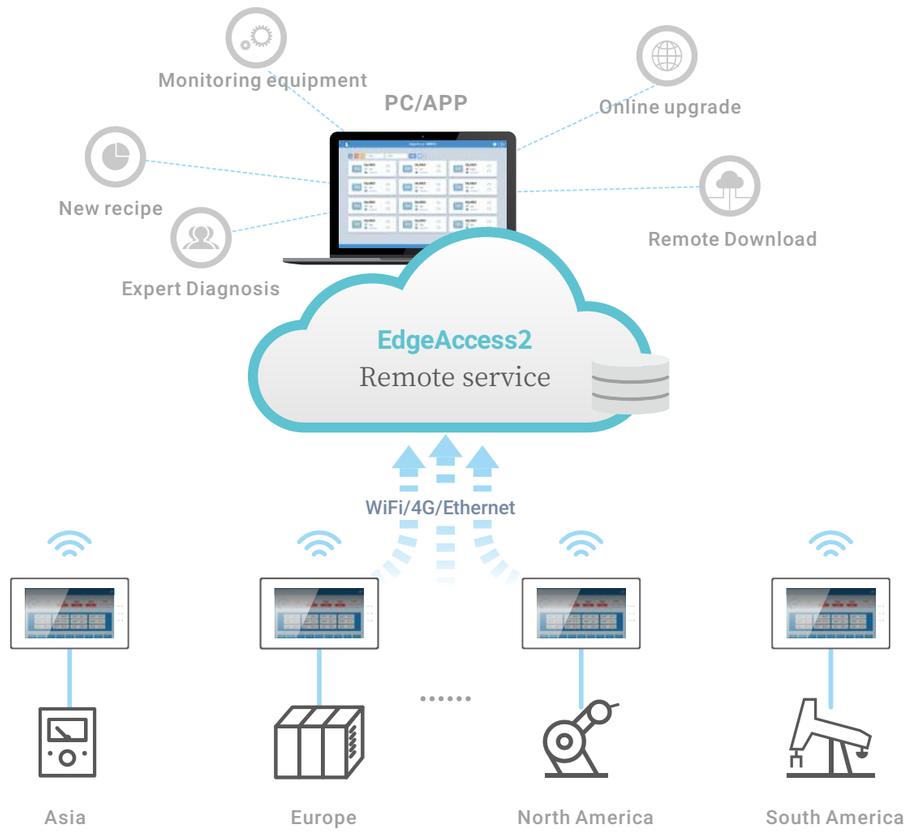
Human Machine Interface Product Catalog

EdgeAccess2 Remote operation and maintenance platform
—— Remote operation and maintenance software specifically designed for the era of industrial Internet

Compatible with Kinco's new - generation configuration software Kinco DToolsPro
Leading network passthrough technology, stable and efficient remote capabilities, and a brand - new UI operation experience
Provide reliable and convenient remote operation and maintenance services for OEM equipment manufacturers

Product Features：

VNC remote desktop for real - time monitoring of equipment operation status；
Remote independent desktop: Remote operation runs independently of on - site operation；
Remote upload and download of HMI programs, with batch download supported；
Remote passthrough, supporting multiple common PLC protocols for online debugging of PLC programs；
Parameter monitoring: View real - time changes of background parameters；
File management: remotely upload and download files such as recipe files, data reports, PDFs, and pictures；
Log management: User operation information is available for traceability and auditing.

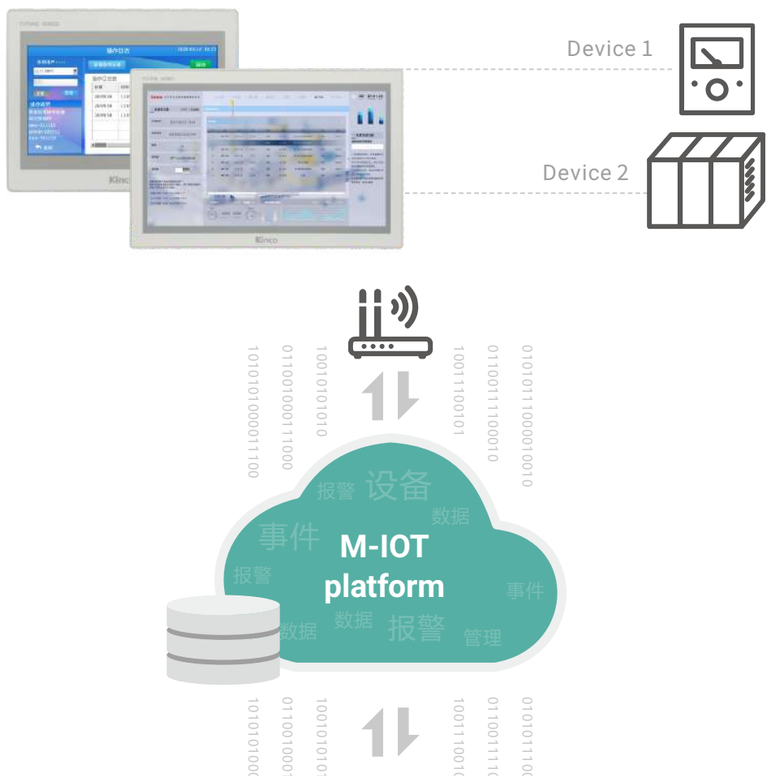


Conveniently connect with Kinco Machine Internet of Things (M-IoT) platform

—— Help you embark on a new era of industrial connectivity

The HMI cloud - based solution helps establish connections for devices, enabling efficient and convenient information interaction among devices and the cloud, between devices, and between devices and people

- View the operating status in real time
- Receive fault alarms in real time
- Industrial cloud adoption, Seamlessly integrate with various IoT platforms
- O&M Dashboard, rich components,It enables rapid construction of dashboards



PC APP

* All models with network ports support this function.

GREEN Series Second-generation

GREEN Series Second-generation with the new generation of free configuration software：Kinco DtoolsPro

The GREEN Series Second-generation Human-Machine Interface (HMI) is a high-performance, efficient development, and cost-effective HMI solution provided by Kinco for smart manufacturing equipment manufacturers! It offers General (GL2 series) and Standard (G2 series) models for customers to choose from based on their specific scenarios.

General Type GL2 series

A convenient, efficient and intelligent new choice for HMI!

- Dual-core A7 1GHz CPU
- 4GB flash memory + 256MB memory
- Standard withhigh-definition, high-brightness, and full-view angle LCD
- Remote Internet of Things Optional 4G/WIFI

Standard Type G2 series

For manufacturers of intelligent manufacturing equipment, we provide high-performance, efficient development and cost-effective HMI solutions!

- 1.5GHz CPU
- 4GB flash memory + 512MB memory
- Standard withhigh-definition, high-brightness, and full-view angle LCD
- Remote Internet of Things Optional WIFI

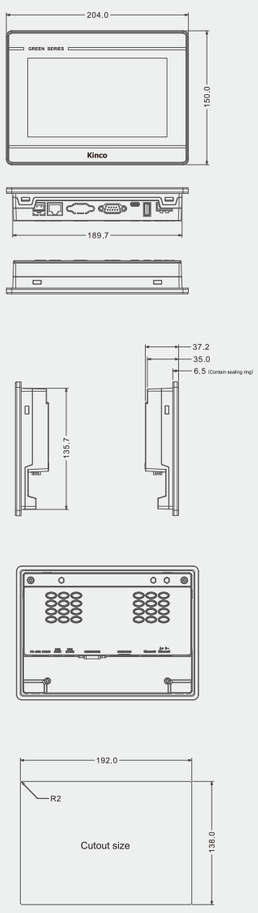
General Type

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	IEE802.11 b/g/n	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41
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°C		
Working humidity	10～90%RH (Non-condensing)		
Storage temperature	-20～60°C		
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)



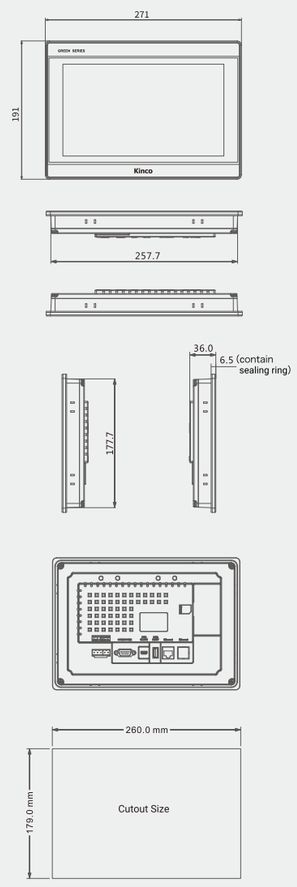
General Type

GL2100E/GL2100E-WIFI/GL21OOE-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	IEE802.11 b/g/n	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41
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°C		
Working humidity	10～90%RH (Non-condensing)		
Storage temperature	-20～60°C		
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)



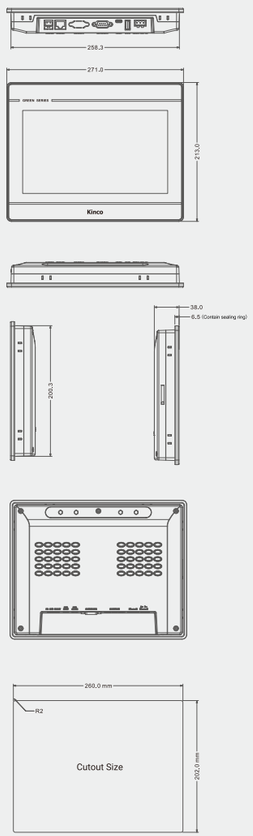
General Type

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/m^2		
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	IEE802.11 b/g/n	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41
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°C		
Working humidity	10～90%RH (Non-condensing)		
Storage temperature	-20～60°C		
Storage humidity	10～90%RH (Non-condensing)		
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 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)



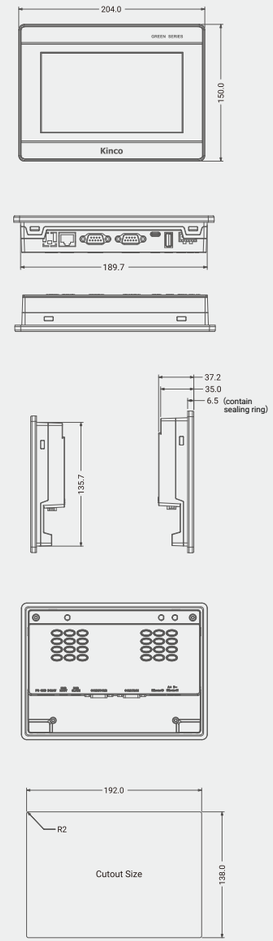
Standard Type

G2070HE/G2070HE-WIFI/G2070HE-4G

- 7-inch 1024*600 high-definition display with 16.77 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.
- Standard with network port, optional 4G / WIFI connectivity
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform

Model/Specification	G2070HE	G2070HE-WIFI	G2070HE-4G
Performance specifications			
Display size	7"TFT		
Display area	154.21(H)x85.92(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/m^2		
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		
Program download	USB Slave(Type-C)/U disk/Ethernet port		
Network access	Ethernet	Ethernet/WIFI	Ethernet/4G
Wi-Fi/wireless network band	None	IEE802.11 b/g/n	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41
VPN	Support HMI remote upload, download and screen monitoring,support PLC transparent transmission program upload, download and monitoring		
Communication port	COM0:RS232/RS485/RS422:C0M1:RS485/RS422:C0M2: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°C		
Working humidity	10~90%RH(Non-condensing)		
Storage temperature	-20~60°C		
Storage humidity	10~90%RH(Non-condensing)		
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 requirements		
CE certificate	EN61000-6-4:2007+A1:2011,EN61000-6-2:2005)		
Software			
Configuration software	Kinco Dtools Pro		

Mechanical Dimensions (Unit: mm)



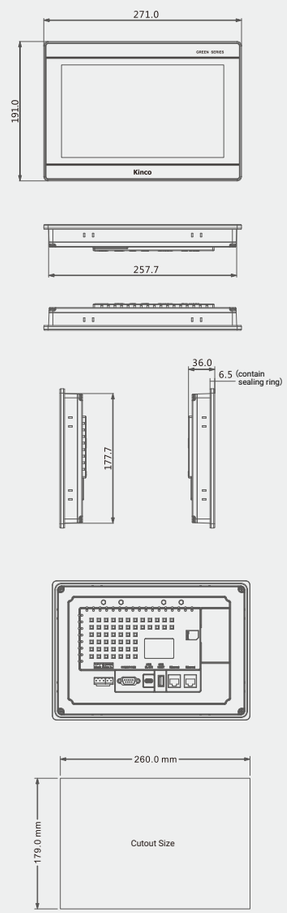
Standard Type

G2100E/G2100E-WIFI/G2100E-4G

- 10.1-inch 1024*600 high-definition display with 16.77 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.
- Standard with network port, optional 4G / WIFI connectivity
- Rear cable exit design, cable plug and unplug without interference.
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform

Model/Specification	G2100E	G2100E-WIFI	G2100E-4G
Performance specifications			
Display size	10.1"TFT		
Display area	222.72(H)x125.28(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/m^2		
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		
Program download	USB Slave(Type-C)/U disk/Ethernet port		
Network access	Ethernet	Ethernet/WiFi	Ethernet/4G
Wi-Fi/wireless network band	None	IEE802.11 b/g/n	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41
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°C		
Working humidity	10~90%RH(Non-condensing)		
Storage temperature	-20~60°C		
Storage humidity	10~90%RH(Non-condensing)		
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 requirements		
CE certificate	EN61000-6-4:2007+A1:2011,EN61000-6-2:2005)		
Software			
Configuration software	Kinco Dtools Pro		

Mechanical Dimensions (Unit: mm)



GREEN Series Second-generation Standard Type

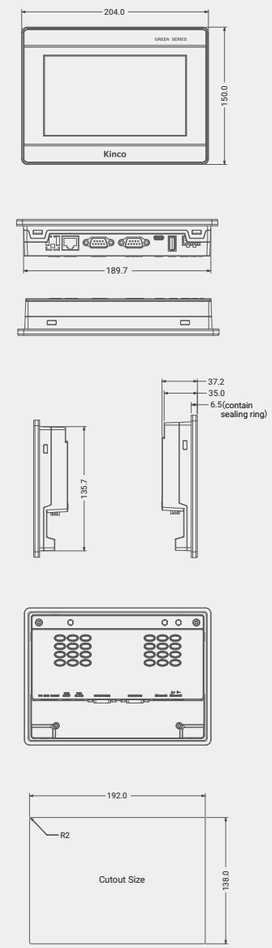
Standard Type

G2101E/G2101E-4G

- 10.1-inch 1024*600 high-definition display with 16.77 million true colors.
- Quad-core CPU with 512MB memory and 4GB flash storage.
- Three serial ports, supporting dual RS485 applications.
- Standard with network port, optional 4G connectivity
- Bottom cable exit design, saving space on the back
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform

Model/Specification	G2101E	G2101E-4G
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/m^2	
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	Lan0:10/100 Mbps	
Program download	USB Slave (Type-C)/U disk/Ethernet port	
Network access	Ethernet	Ethernet/4G
Wi-Fi/wireless network band	None	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41
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)	271mm*213mm*38mm	
Cut-out dimension (mm)	260mm*202mm	
Weight(kg)	1.1kg	
Environmental specification		
Working temperature	0～50°C	
Working humidity	10～90%RH (Non-condensing)	
Storage temperature	-20～60°C	
Storage humidity	10～90%RH (Non-condensing)	
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 requirements	
CE certificate	EN61000-6-4：2007+A1:2011, EN61000-6-2：2005	
Software		
Configuration software	Kinco DTools Pro	

Mechanical Dimensions (Unit: mm)



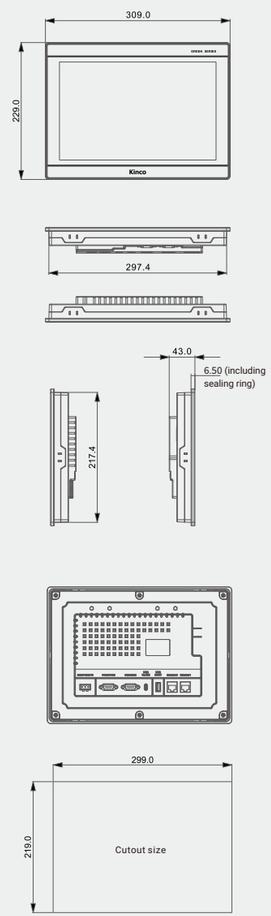
Standard Type

G2121E2/G2121E2-4G

- 12.1-inch 1280*800 high-definition display with 16.77 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.
- Standard with dual-network port, optional 4G connectivity
- Rear cable exit design, cable plug and unplug without interference.
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform

Model/Specification	G2121E2	G2121E2-4G
Performance specifications		
Display size	12.1″ TFT	
Display area	261.12(H)x163.20(V)	
Resolution	1280*800 pixel	
Display color	16.77 million true colors	
Display viewing angle	85/85/85/85 (left/right/up/down)	
Contrast ratio	1200：1	
Backlight	LED	
Brightness	500cd/m^2	
Backlight life	50000 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	LAN0:10/100 Mbps；LAN1:10/100 Mbps	
Program download	USB Slave (Type-C)/U disk/Ethernet port	
Network access	Ethernet	Ethernet/4G
Wi-Fi/wireless network band	None	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41
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	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)	309x229x43mm	
Cut-out dimension (mm)	299x219mm	
Weight(kg)	1.6kg	
Environmental specification		
Working temperature	0 ～50°C	
Working humidity	10～90%RH (Non-condensing)	
Storage temperature	-20～60°C	
Storage humidity	10～90%RH (Non-condensing)	
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 requirements	
CE certificate	EN61000-6-4：2007+A1:2011, EN61000-6-2：2005	
Software		
Configuration software	Kinco DTools Pro	

Mechanical Dimensions (Unit: mm)



GREEN Series Second-generation Standard Type

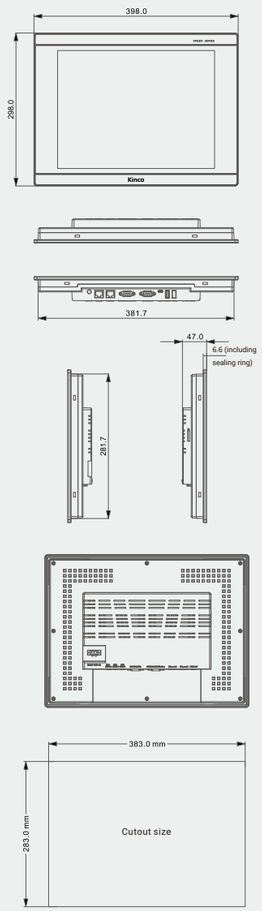
Standard Type

G2150E2

- 15-inch 1024*768 display with 16.77 million true colors.
- 88/88/88/88 near-full-view display.
- Quad-core CPU with 512MB memory and 4GB flash storage.
- Designed with dual Ethernet ports and three serial ports, support dual-RS485 applications
- Built-in isolated power supply, good protection
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform

Model/Specification	G2150E2
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/m^2
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°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/S^2, X, Y, Z directions/hour
Cooling mode	Natural air cooling
Product certification	
Panel protection grade	Ip65 compliant (4208-93)
CE authentication	CE compliant (EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019)
Software	
Configuration software	Kinco DToolsPro

Mechanical Dimensions (Unit: mm)



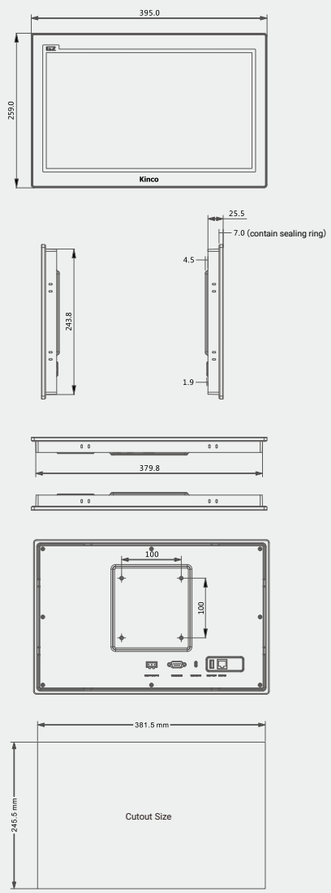
Standard Type

G2156E/G2156E-WIFI

- 15.6-inch 1920*1080 display with 16.77 million true colors.
- Quad-core CPU with 512MB memory and 4GB flash storage.
- Designed with Ethernet ports and three serial ports,optional WIFI connectivity
- Metallic shell + three-proofing coating+ power isolation, safe and reliable
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform

Model specification	G2156E	G2156E-WIFI
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	IEE802.11 b/g/n
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°C	
Working humidity	10～90%RH (Non-condensing)	
Storage temperature	-20～60°C	
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	

Mechanical Dimensions (Unit: mm)



GREEN Series Second-generation Standard Type

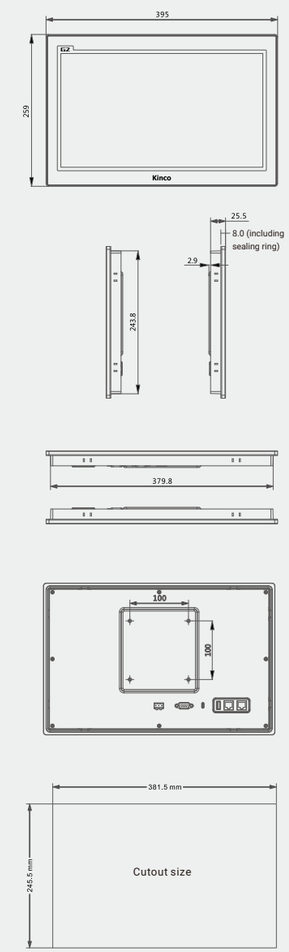
Standard Type

G2156E2

- 15.6-inch 1920*1080 display with 16.77 million true colors.
- Quad-core CPU with 512MB memory and 4GB flash storage.
- Designed with Dual Ethernet ports and three serial ports,ensuring reliable communication
- Metallic shell + three-proofing coating+ power isolation, safe and reliable
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform

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)



FUTURE Series Second-generation

Essential Smart Terminals for High-end Manufacturing

FUTURE Series Second-generation with the new generation of free configuration software：Kinco DtoolsPro

Kinco adheres to the industry philosophy of "Quality First," deeply cultivates the manufacturing industry, gets close to the market demands of users, and based on more than 20 years of independent R&D experience, integrates the latest technologies in the Internet of Things, big data, cloud computing,and edge-end collaboration. In the field of HMI, Kinco has launched a milestone new hardware for the high-end equipment manufacturing industry--FUTURE Series Second-generation

- Quad-core ARM 1.8GHz
- Power supply isolation PCB coating
- With Kinco DToolsPro
- 1GB flash memory + 8GB memory
- CNC Metal shell
- Dual Ethernet & dual Serial port
- Standard with high-definition, high-brightness, and full-view angle LCD
- Complies with CE&UL certifications
- 7、10.1、12.1、15、15.6 inch

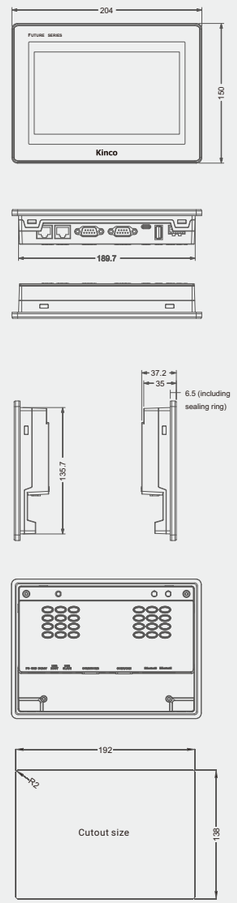
FUTURE Series Second-generation

F2070E2/F2070E2(UL)

- 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	F2070E2(UL)
Performance specifications		
Display size	7" TFT	
Display area	154.08 (W) ×85.92 (H)	
Resolution	800*480 pixel	
Display color	16.77 million true color	
Display angle of view	80/80/80/60(left/right/up/down)	
Contrast ratio	800:1	
Backlight	LED	
Brightness	400cd/m^2	
Backlight life	20000 hours	
Touch Panel	4 line precision resistance network (surface hardness 4H)	
CPU	Quad-core ARM 1.8GHz	
Memory	8GB flash memory + 1GB memory	
RTC	Built-in RTC + 512KB recipe	
Extensible memory	1 USB Host	
Print port	USB Host/Serial port	
Ethernet	LAN0:10/100/1000Mbps；LAN1:10/100Mbps	
Program download	USB slave/U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422; COM1:RS485/RS422;COM2:RS232	
Electrical specifications		
Input power supply	DC18V ～DC28V,built-in isolated	
Rated power	7W@DC 24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Pressure resistance test	500V AC 1 minute	
Structure specifications		
PCB coating	Yes	
Shell material	Engineering plastic	
Shape size	204×150×37mm	
Cut-out size	192×138mm	
Weight	0.6kg	
Environmental specification		
Working temperature	0 ～50°C	
Working humidity	10～90%RH (Non-condensing)	
Storage temperature	-20～60°C	
Storage humidity	10～90%RH (Non-condensing)	
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 requirements	
CE certificate	CE Compliant(EN61000-6-4：2007+A1:2011, EN61000-6-2：2005)	
UL certificate	None	UL Compliant
Software		
Configuration software	Kinco DToolsPro	

Mechanical Dimensions (Unit: mm)



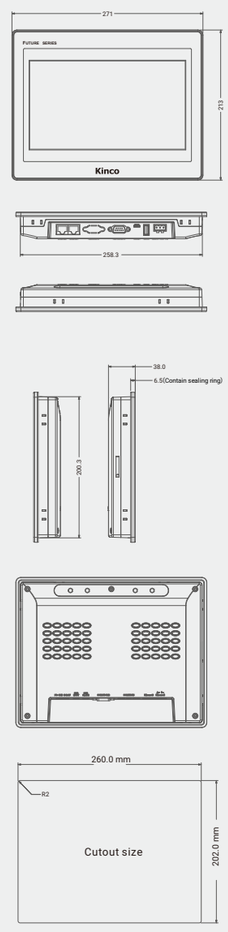
FUTURE Series Second-generation

F2100E2/F2100E2(UL)

- 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	F2100E2(UL)
Performance specifications		
Display size	10.1" TFT	
Display area	222.72 (W) ×125.28 (H)	
Resolution	1024*600 pixel	
Display color	16.77 million true color	
Display angle of view	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 1.8GHz	
Memory	8GB flash memory + 1GB memory	
RTC	Built-in RTC + 512KB recipe	
Extensible memory	1 USB Host	
Print port	USB Host/Serial port	
Ethernet	LAN0:10/100/1000Mbps；LAN1:10/100Mbps	
Program download	USB slave/U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422; COM2:RS232	
Electrical specifications		
Input power supply	DC10.8V ～DC28V,built-in isolated	
Rated power	7W@DC 24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Pressure resistance test	500V AC 1 minute	
Structure specifications		
PCB coating	Yes	
Shell material	Engineering plastic	
Shape size	271×213×38mm	
Cut-out size	260×202mm	
Weight	1.1kg	
Environmental specification		
Working temperature	0 ～50°C	
Working humidity	10～90%RH (Non-condensing)	
Storage temperature	-20～60°C	
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	CE Compliant(EN61000-6-4：2007+A1:2011, EN61000-6-2：2005)	
UL certificate	None	UL Compliant
Software		
Configuration software	Kinco DToolsPro	

Mechanical Dimensions (Unit: mm)



FUTURE Series Second-generation

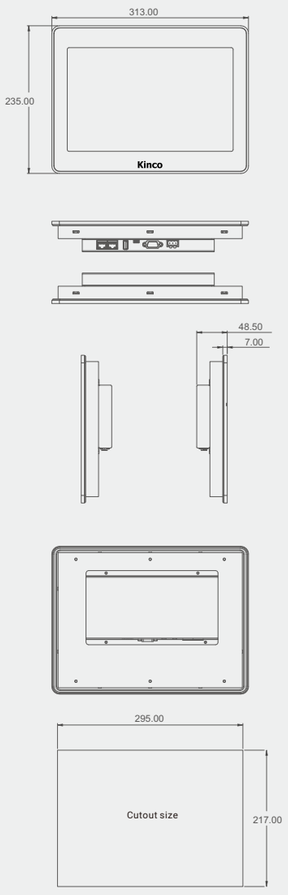
FUTURE Series Second-generation

F2121E2/F2121E2(UL)

- 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	F2121E2(UL)
Performance specifications		
Display size	12.1" TFT	
Display area	261.12 (W) ×163.2 (H)	
Resolution	1280*800 pixel	
Display color	16.77 million 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	50000 hours	
Touch Panel	4 line precision resistance network (surface hardness 4H)	
CPU	Quad-core ARM 1.8GHz	
Memory	8GB flash memory + 1GB memory	
RTC	Built-in RTC + 512KB recipe	
Extensible memory	1 USB Host	
Print port	USB Host/Serial port	
Ethernet	LAN0:10/100/1000Mbps；LAN1:10/100Mbps	
Program download	USB slave/U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422; COM2:RS232	
Electrical specifications		
Input power supply	DC18V ～DC28V,built-in isolated	
Rated power	15W@DC 24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Pressure resistance test	500V AC 1 minute	
Structure specifications		
PCB coating	Yes	
Shell material	Metallic	
Shape size	313×235×48.5mm	
Cut-out size	295×217mm	
Weight	5kg	
Environmental specification		
Working temperature	0 ～50°C	
Working humidity	10～90%RH (Non-condensing)	
Storage temperature	-20～60°C	
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	CE Compliant(EN61000-6-4：2007+A1:2011, EN61000-6-2：2005)	
UL certificate	None	UL Compliant
Software		
Configuration software	Kinco DToolsPro	

Mechanical Dimensions (Unit: mm)



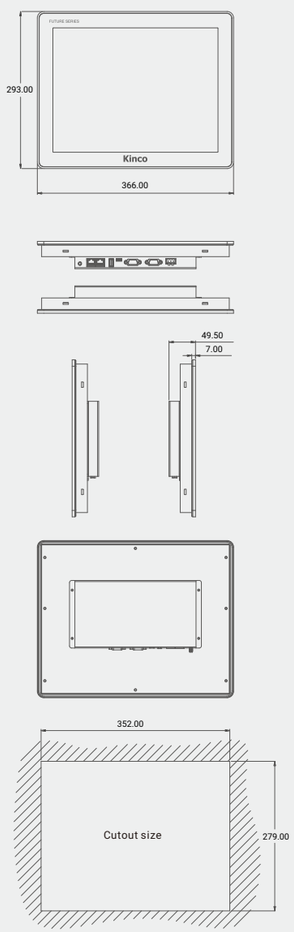
FUTURE Series Second-generation

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/m^2
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℃
Operating ambient humidity	10~90% RH (noncondensing)
Storage ambient temperature	-20~60℃
Storage ambient humidity	10~90% RH (noncondensing)
Shockproof performance	10~500Hz, 30m/S^2, X, Y, Z directions/hour
Cooling mode	Natural air cooling
Product certification	
Panel protection grade	IP65 compliant (4208-93)
CE authentication	CE compliant (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

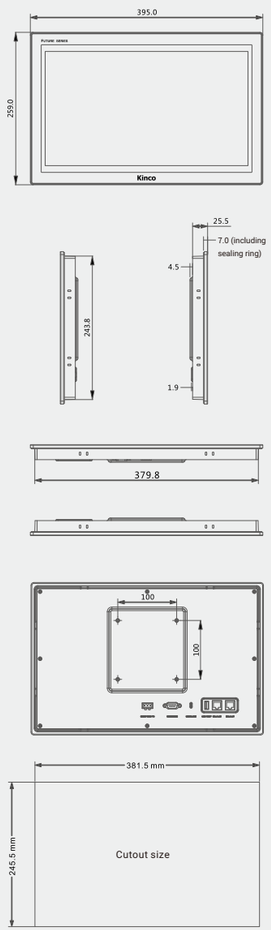
FUTURE Series Second-generation

F2156E2/F2156E2(UL)

- 15.6" resistive screen, 1920*1080 pixels, 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	F2156E2(UL)
Performance specifications		
Display size	15.6" TFT	
Display area	344.16(W)×163.2(H)	
Resolution	1920*1080 pixel	
Display color	16.2 million true color	
Display angle of view	89/89/89/89(left/right/up/down)	
Contrast ratio	1000:1	
Backlight	LED	
Brightness	300cd/m^2	
Backlight life	30000 hours	
Touch Panel	4 line precision resistance network (surface hardness 4H)	
CPU	Quad-core ARM 1.8GHz	
Memory	8GB flash memory + 1GB memory	
RTC	Built-in RTC + 512KB recipe	
Extensible memory	1 USB Host	
Print port	USB Host/Serial port	
Ethernet	LAN0:10/100/1000Mbps；LAN1:10/100Mbps	
Program download	USB slave/U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422; COM2:RS232	
Electrical specifications		
Input power supply	DC18V～DC28V,built-in isolated	
Rated power	15W@DC 24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Pressure resistance test	500V AC 1 minute	
Structure specifications		
PCB coating	Yes	
Shell material	Metallic	
Shape size	395×259×25.5mm	
Cut-out size	381.5×245.5mm	
Installation	Buckle mounting, and VESA rack mounting (VESA 100 *100 mm)	
Weight	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/s^2, X,Y,Z direction/hour	
Cooling mode	Natural air cooling	
Product certification		
Panel protection grade	Conforming to IP65 requirements	
CE certificate	CE Compliant(EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
UL certificate	None	UL Compliant
Software		
Configuration software	Kinco DToolsPro	

Mechanical Dimensions (Unit: mm)



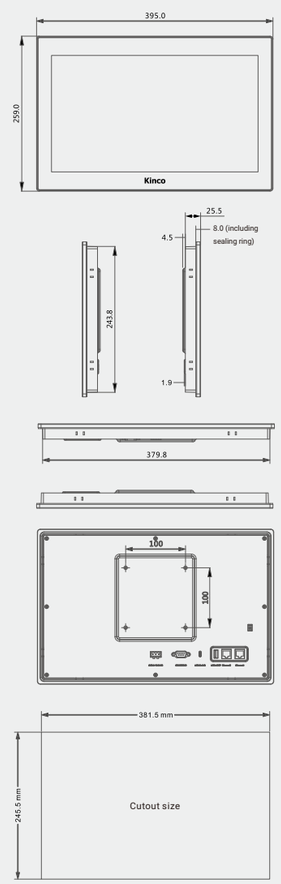
FUTURE Series Second-generation

F2156E2-PX/F2156E2-PX(UL)

- 15.6" resistive screen, 1920*1080 pixels, 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	F2156E2-PX(UL)
Performance specifications		
Display size	15.6″ TFT	
Display area	344.16 (W) × 163.2 (H)	
Resolution	1920*1080 pixel	
Display color	16.2 million true color	
Display angle of view	89/89/89/89(left/right/up/down)	
Contrast ratio	1000:1	
Backlight	LED	
Brightness	300cd/m²	
Backlight life	30000 hours	
Touch Panel	Reinforced glass capacitive touch panel	
CPU	Quad-core ARM 1.8GHz	
Memory	8GB flash memory + 1GB memory	
RTC	Built-in RTC + 512KB recipe	
Extensible memory	1 USB Host	
Print port	USB Host/Serial port	
Ethernet	LAN0:10/100/1000Mbps；LAN1:10/100Mbps	
Program download	USB slave/U disk/Ethernet	
Communication port	COM0:RS232/RS485/RS422; COM2:RS232	
Electrical specifications		
Input power supply	DC18V ～DC28V,built-in isolated	
Rated power	15W@DC 24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50MΩ@500V DC	
Pressure resistance test	500V AC 1 minute	
Structure specifications		
PCB coating	Yes	
Shell material	Metallic	
Shape size	395×259×25.5mm	
Cut-out size	381.5×245.5mm	
Installation	Buckle mounting, and VESA rack mounting (VESA 100 *100 mm)	
Weight	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	CE Compliant(EN61000-6-4：2007+A1:2011, EN61000-6-2：2005)	
UL certificate	None	UL Compliant
Software		
Configuration software	Kinco DToolsPro	

Mechanical Dimensions (Unit: mm)



FUTURE Series Second-generation

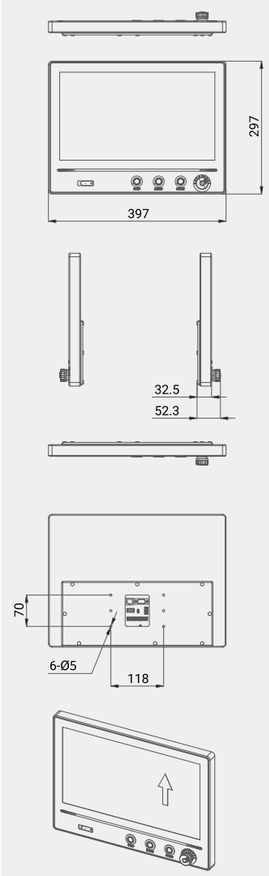
FUTURE Series Second-generation

F2156E-TX

- 15.6" capactive,1920*1800 pixel,16 million true color
- Dual Ethernet ports and dual serial ports design,flexible communication
- Quad-core CPU + 1GB RAM + 8GB flash storage, ultimate performance
- Integrated appearance design of the whole machine, used in combination with buttons and emergency stop switches
- Cantilever installation provides a large operation space, high flexibility and strong adaptability
- Metal casing + PCB protection + power isolation,safe and reliable

Model/Specification	F2156E-TX
Performance specifications	
Display size	15.6″ TFT
Display area	344.16 (W) × 163.2 (H)
Resolution	1920*1080 pixel
Display color	16.2 million true color
Display angle of view	89/89/89/89(left/right/up/down)
Contrast ratio	1000:1
Backlight	LED
Brightness	300cd/m²
Backlight life	30000 hours
Touch Panel	Reinforced glass capacitive touch panel
CPU	Quad-core ARM 1.8GHz
Memory	8GB flash memory + 1GB memory
RTC	Built-in RTC + 512KB recipe
Extensible memory	1 USB Host
Ethernet	LAN0:10/100/1000Mbps
Emergency stop switch	1*Dual-circuit emergency stop
Switch button	1*Metal button (green LED), 1*Metal button (blue LED), 1*Metal button (red LED)
Program download	USB slave/U disk/Ethernet
Communication port	COM0:RS232/RS485/RS422; COM2:RS232
Electrical specifications	
Input power supply	DC18V ～DC28V,built-in isolated
Rated power	15W@DC 24V
Allowable loss of power	<3ms
Insulation resistance	Over 50MΩ@500V DC
Pressure resistance test	500V AC 1 minute
Structure specifications	
PCB coating	Yes
Shell material	Metallic
Shape size	397×297×46mm
Installation	Cantilever installation
Installation size	118×70mm
Weight	4kg
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	CE Compliant(EN61000-6-4：2007+A1:2011, EN61000-6-2：2005)
Software	
Configuration software	Kinco DToolsPro

Mechanical Dimensions (Unit: mm)

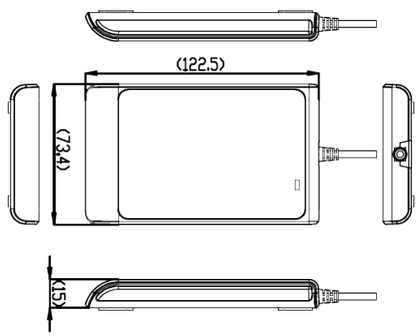


R321KB Series Desktop High-frequency Reader-writer

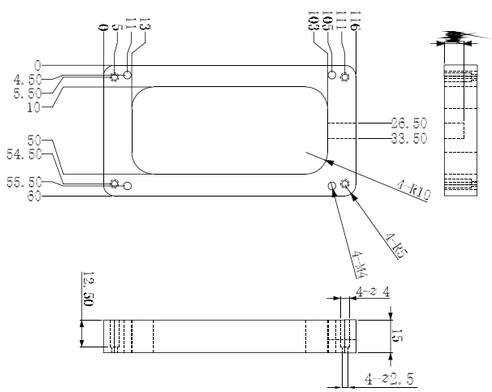
- Support USB port communication
- Built-in high frequency antenna
- Support ISO/IEC 14443A/B, ISO/IEC 15693 and ISO1 8000-3M1
- The effective reading/writing distance is up to 5cm (Source: Mifare1 S50 card in the environments free from other disturbances at room temperature)
- Built-in LED indicator 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°C～+65°C
Dimensions	122×73×15mm
Material	ABS

Mechanical Dimensions (Unit: mm)



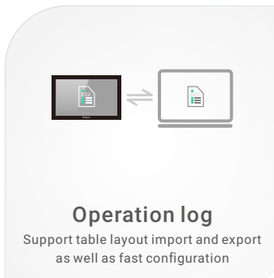
SN	Port type	Pin definition	功能说明
CON1	USB Type A male connector	PIN1	+5V
		PIN2	D-
		PIN3	D+
		PIN4	GND
LED	LED indicator	Steady green light	The device is operating normally
		Flashing green light	Electronic tag reading succeeded
ANT	Antenna	/	Card reading area of reader



A new generation of Kinco configuration software:

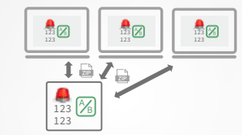
Kinco DToolsPro

Office software style, modern, minimalist, and elegant.
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



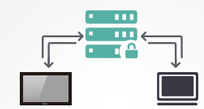
Operation log
Support table layout import and export as well as fast configuration

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