#### PROVEN PERFORMANCE

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



# Kinco

HMI Touch Screen Kinco HMI Catalog

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

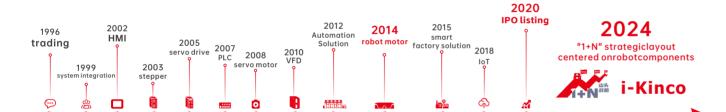




www.en.kinco.cn Email:sales@kinco.cn

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















### **CONTENTS**

#### **GREEN Series Second-generation Description**

06 Series Description

#### **GREEN Series Second-generation**

#### **General Type**

- 07 GL2070HE/GL2070HE-WIFI/GL2070HE-4G
- 08 GL2100E/GL2100E-WIFI/GL2100E-4G
- 09 GL2101E/GL2101E-WIFI/GL2101E-4G

#### Standard Type

- 10 G2070HE/G2070HE-WIFI/G2070HE-4G
- 11 G2100E/G2100E-WIFI/G2100E-4G
- 12 G2101E/G2101E-4G
- 13 G2121E2/G2121E2-4G
- 14 G2150E2
- 15 G2156E/G2156E-WIFI
- 16 G2156E2

#### **FUTURE Series Second-generation Description**

17 Series Description

#### **FUTURE Series Second-generation**

- 18 F2070E2/F2070E2(UL)
- 19 F2100E2/F2100E2(UL)
- 20 F2121E2/F2121E2 (UL)
- 21 F2150E2
- 22 F2156E2/F2156E2 (UL)
- 23 F2156E2-PX/F2156E2-PX(UL)
- 24 F2156E-TX

### 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

Full set of industrial control solutions

Certificate qualifications

CE and UL certifications

Global services

Sold far in domestic and overseas markets

### 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;

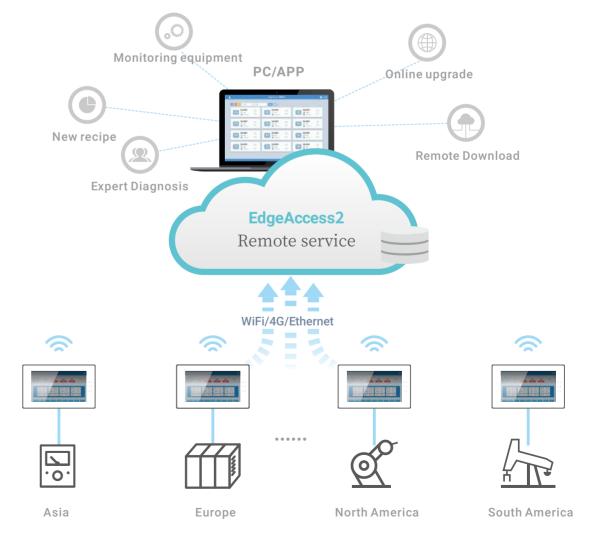
Remote upload and download of HMI programs, with batch download supported;

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.



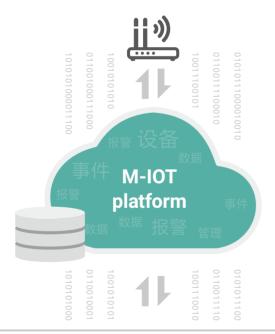
### Conveniently connect with Kinco Machine Internet of Things (M-IoT) platform

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











\* All models with network ports support this function.

PC

# **GREEN** Series Second-generation

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







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!







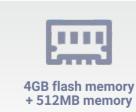


Standard Type

G2 series

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









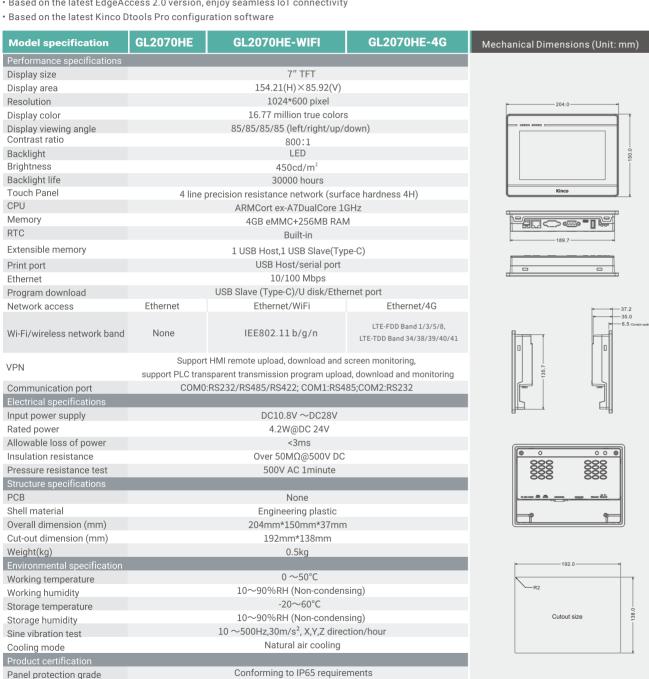
### **General Type**

CE certificate

Configuration software

### 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



EN61000-6-4:2007+A1:2011, EN61000-6-2:2005

Kinco DToolsPro V1.7.5 or above



### **General Type**

### GL2100E/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



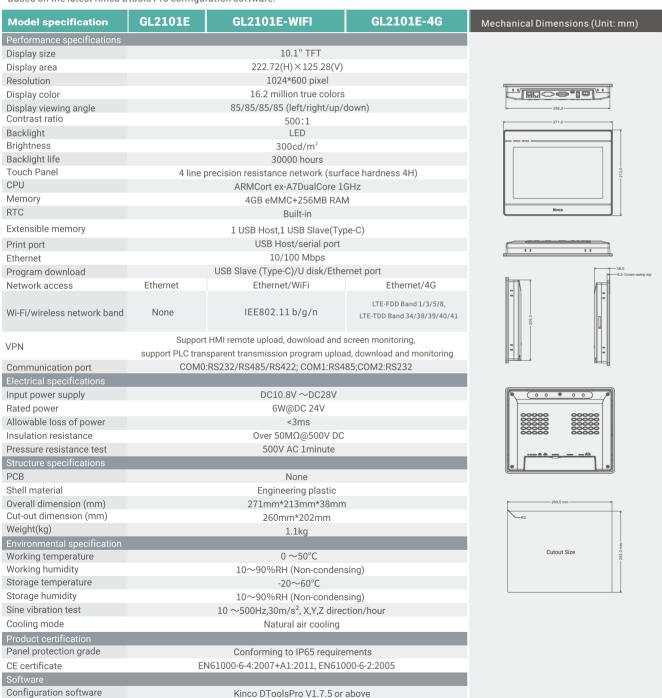
Model specification	GL2100E	GL2100E-WIFI	GL2100E-4G	Mechanical Dimensions (Un
Performance specifications				
Display size		10.1" TFT		
Display area		222.72(H)×125.28(V	)	
Resolution		1024*600 pixel		271
Display color		16.2 million true color	'S	
Display viewing angle		85/85/85/85 (left/right/up	/down)	ORDIN SERES
Contrast ratio		500:1		
Backlight		LED		
Brightness		300cd/m <sup>2</sup>		161
Backlight life		30000 hours		
Touch Panel	4 line pr	ecision resistance network (sur	face hardness 4H)	Kinco
CPU		ARMCort ex-A7DualCore 1	1GHz	
Memory		4GB eMMC+256MB RA	AM	9.
RTC		Built-in		0.0
Extensible memory		1 USB Host,1 USB Slave(Ty	vne-C)	257.7
•		USB Host/serial port	,	-
Print port		10/100 Mbps		
Ethernet		USB Slave (Type-C)/U disk/Eth	ornot nort	0 0 0
Program download	Ed.	( )1 /-		
Network access	Ethernet	Ethernet/WiFi	Ethernet/4G	36
Wi-Fi/wireless network band	None	IEE802.11 b/g/n	LTE-FDD Band 1/3/5/8,	
WI-FI/ WITEIESS HELWORK DATIO	None	ILL002.11 b/g/II	LTE-TDD Band 34/38/39/40/41	
VPN	Support I	HMI remote upload, download and	screen monitoring,	177.7
VPN	support PLC trans	parent transmission program uplo	oad, download and monitoring	
Communication port	COM0:F	RS232/RS485/RS422; COM1:RS	485;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 D	С	
Pressure resistance test		500V AC 1minute		
Structure specifications	_			
PCB		None		
Shell material		Engineering plastic		
Overall dimension (mm)		271mm*191mm*36mi	m	(
Cut-out dimension (mm)		260mm*179mm		
Weight(kg)		0.9kg		260.0 mm
Environmental specification		0.01.9		
		0 ~50°C		
Working temperature		10~90%RH (Non-conde	neina)	E Cutout Size
Working humidity		-20~60°C	nonig)	179.0
Storage temperature		10~90%RH (Non-conde	neina)	
Storage humidity		10~500Hz,30m/s <sup>2</sup> , X,Y,Z dire		
Sine vibration test				-
Cooling mode		Natural air cooling		
Product certification				
Panel protection grade		Conforming to IP65 requir		
	FN	61000-6-4:2007+A1:2011, EN61	.000-6-2:2005	
CE certificate Software	EIV	01000 0 1:2001 17(1:2011, 2:101		

	Mechanical Dimensions (Unit: mm)
	271
	[6] Kinco
	257.7
0/41	36.0 6.5 (contain sealing ring)
ing	
	260.0 mm  Electronic Size Cutout Size

### **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.





### **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 DTools	sPro configuration	n software&EdgeAccess2	2 remote maintenance platfo	orm
Model/Specification	G2070HE	G2070HE-WIFI	G2070HE-4G	Mechanical Dimensions (Unit: mm)
Performance specifications	'			
Display size		7"TFT		
Display area	154.21(H)x85.92(V)			
Resolution		1024*600 pixel		204.0
Display color		16.77 million true cold	nre	GREEN SERES
Display viewing angle	85/85/85(left/right/up/down)			
Contrast ratio		800:1	, down,	
Backlight		LED		1900
Brightness		450cd/m <sup>2</sup>		
Backlight life		30000 hours		Kinco
Touch Panel	4 line precisi	on resistance network (su	rface hardhess 4H)	
CPU	4 IIIIC precisi	Quad-core ARM 1.5G		
Memory		4GB eMMC+512MB RA		
RTC		Built-in	-11¥1	
Extensible memory		1 USB Host		189.7
Print port		USB Host/serial por	†	
Ethernet		·	ι	
Program download	He	Lan0:10/100Mbps 3 Slave(Type-C)/U disk/Eth	ornot port	
Network access	Ethernet	Ethernet/WIFI	Ethernet/4G	<del> </del>
Network access	Ethernet	Ethernet/ WiFi		35.0
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	sealing ring
VPN			d screen monitoring,support	
			oad, download and monitoring	135.7
Communication port	COM0:RS232/R	RS485/RS422:C0M1:RS485	5/RS422:C0M2:RS232	
Electrical specifications	_			
Input power supply		DC18V~DC28V		В
Rated power		7W@DC 24V		
Allowable loss of power		<3ms		0 0 0 0
Insulation resistance		Over 50M Ω@500V D	С	999 999
Pressure resistance test		500V AC 1minute		
Structure specifications				
PCB		None		
Shell material		Engineering plastic		
Overall dimension (mm)		204mm*150mm*37m	ım	
Cut-out dimension (mm)		192mm*138mm		1000
Weight(kg)		0.5Kg		192.0
Environmental specification				R2
Working temperature		0~50°C		
Working humidity		10~90%RH(Non-conden	sing)	Cutout Size
Storage temperature		-20~60°C		
Storage humidity		10~90%RH(Non-conden	sing)	
Sine vibration test	10-	~500Hz,30m/s²,X,Y,Z direc	tion/hour	
Cooling mode		Natural air cooling		
Product certification				
Panel protection grade		Conforming to IP65 require	ements	
CE certificate	ENG100	Conforming to IP65 requirements EN61000-6-4:2007+A1:2011,EN61000-6-2:2005)		
OL CETUIICALE	FINGTOO	0-6-4:2007+A1:2011,EN61	1000 0 2.2003)	
Software	ENGIOO	0-6-4:2007+A1:2011,EN61	2.2003)	

### **Standard Type**

### G2100E/G2100E-WIFI/G2100E-4G

- $\cdot$  10.1-inch 1024\*600 high-definition display with 16.77 million true colors.
- 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.
- $\bullet \, \mathsf{Based} \, \mathsf{on} \, \mathsf{the} \, \mathsf{latest} \, \mathsf{Kinco} \, \mathsf{DToolsPro} \, \mathsf{configuration} \, \mathsf{software} \\ \& \mathsf{EdgeAccess2} \, \mathsf{remote} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{platfo$



Model/Specification	G2100E	G2100E-WIFI	G2100E-4G	Mechanical Dimensions (Unit: mm)
Performance specifications				
Display size		10.1"TFT		
Display area		222.72(H)x125.2		
Resolution		1024*600 pixe		271.0
Display color		16.77 million true o		77.77
Display viewing angle		85/85/85/85(left/right/	/up/down)	
Contrast ratio		500:1		
Backlight		LED		0110
Brightness		300cd/m <sup>2</sup>		
Backlight life		30000 hours		Kinco
Touch Panel	4 line pre	cision resistance network	(surface hardhess 4H)	
CPU		Quad-core ARM 1.		
Memory		4GB eMMC+512ME		
RTC		Built-in		257.7
Extensible memory		1 USB Host		le 251.1
Print port		USB Host/serial	port	
Ethernet		Lan0:10/100Mb		41
Program download		USB Slave(Type-C)/U disk/	•	.36.0
Network access	Ethernet	Ethernet/WiFi	Ethernet/4G	6.5 (contain sealing r
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		•	nd screen monitoring, support oad, download and monitoring	177.7
Communication port		S232/RS485/RS422;COM1		
Electrical specifications	001110111	10202, 110 100, 110 122,001113		
Input power supply		DC18V~DC28	V	
Rated power		7W@DC 24V		
Allowable loss of power		<3ms		
Insulation resistance		Over 50M Ω @ 500		
Pressure resistance test		500V AC 1minute		
Structure specifications	_	3004710 11111110		
PCB		None		
Shell material		Engineering plas	stic	
Overall dimension (mm)		271mm*191mm*3		<del></del>
Cut-out dimension (mm)		260mm*179m		200.0 IIIII
Weight(kg)		0.9Kg		
Environmental specification		0.5Kg		   E
Working temperature		0~50°C		Cutout Size
Working humidity		10~90%RH(Non-cond	densing)	-
Storage temperature		-20~60°C	actionity)	
Storage humidity		-20~60 C 10~90%RH(Non-cond	densing)	1
		`	<u> </u>	
Sine vibration test Cooling mode		10~500Hz,30m/s²,X,Y,Z di		
		Natural air cooli	iiig	
Product certification		0		
Panel protection grade	E110	Conforming to IP65 req		
CE certificate	EN6	1000-6-4:2007+A1:2011,E	Np1000-6-7:5002)	
Software		1/2 5: : -		
Configuration software		Kinco Dtools P	ro	

### **Standard Type**

## G2101E/G2101E-4G

- 10.1-inch 1024\*600 high-definition display with 16.77 million true colors.
- $\bullet$  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	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size	10.1"	TFT	
Display area	222.72(H)×125.28(V)		204.0
Resolution	1024*600	1024*600 pixel	
Display color	16.77 million	true colors	
Display viewing angle	70/70/60/60 (left)	70/70/60/60 (left/right/up/down)	
Contrast ratio	500:	1	150.0
Backlight	LEC	)	
Brightness	350cd	/m²	Kinco
Backlight life	30000 h	iours	
Touch Panel	4 line precision resistance net	work (surface hardness 4H)	
CPU	Quad-core AF	RM 1.5GHz	
Memory	4GB eMMC+5	12MB RAM	
RTC	Built-	in	189.7 ────
Extensible memory	1 USB I	Host	
Print port	USB Host/s	erial port	
Ethernet	Lan0:10/10	00 Mbps	
Program download	USB Slave (Type-C)/U	disk/Ethernet port	<del>  </del>
Network access	Ethernet	Ethernet/4G	35.0 - 6.5(cor seal
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, dov support PLC transparent transmission pro		135.7
Communication port	COM0:RS232/RS485/RS422; COM	-	TUSU TUSU
Electrical specifications		.1	
Input power supply	DC18V~	DC28V	
Rated power	7W@DC		
Allowable loss of power	<3m		0 0 0 0
Insulation resistance	Over 50MΩ@		
Pressure resistance test	500V AC 1minute		888 888
Structure specifications	0001710		none de de como como los del
PCB	Non	e	
Shell material	Engineering		
Overall dimension (mm)	271mm*213n	• 1	
Cut-out dimension (mm)	260mm*2		192.0 ————
Weight(kg)	1.1k		
Environmental specification	2.20		R2
Working temperature	0~50	)°C	0
Working humidity	10~90%RH (No		Cutout Size
Storage temperature	-20~6		
Storage humidity	10~90%RH (No		
Sine vibration test	10 ~500Hz,30m/s²,)	0,	
Cooling mode	Natural air		
Product certification			
Panel protection grade	Conforming to IP6	5 requirements	
CE certificate	EN61000-6-4:2007+A1:20		
Software			

### **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			
isplay size	12.1" TF	T	
isplay area	261.12(H)x163		
Resolution	1280*800 p		
Pisplay color	16.77 million tru		
isplay viewing angle	85/85/85 (left/rig		
Contrast ratio	1200:1		
acklight	LED		
Brightness	500cd/m	2	
Backlight life		50000 hours	
ouch Panel	4 line precision resistance netwo		
PU	Quad-core ARM		
1 emory	4GB eMMC+512		
TC	Built-in	IVID RAIVI	
	1 USB Ho	ct	
rint port	USB Host/seri		
rint port thernet			
	LAN0:10/100 Mbps;LAI	·	
Program download	USB Slave (Type-C)/U di Ethernet	SK/Etnernet port Ethernet/4G	
etwork access	Ethernet		
i-Fi/wireless network band	None	LTE-FDD Band 1/3/5/8, LTE-TDD Band 34/38/39/40/41	
PN	Support HMI remote upload, downl	oad and screen monitoring,	
FIV	support PLC transparent transmission progr	am upload, download and monitoring	
mmunication port	COM0:RS232/RS485/RS422; COM1:	RS485/RS422;COM2:RS232	
ectrical specifications			
out power supply	DC18V ~DC	28V	
ated power	15W@DC 2	4V	
llowable loss of power	<3ms		
sulation resistance	Over 50MΩ@5	00V DC	
ressure resistance test	500V AC 1m	inute	
ucture specifications			
CB	None		
nell material	Engineering p	lastic	
verall dimension (mm)	309x229x43		
ut-out dimension (mm)	299x219m		
/eight(kg)	1.6kg		
nvironmental specification	1.0109		
/orking temperature	0 ~50°C		
orking humidity	10~90%RH (Non-c		
torage temperature	-20~60°	0,	
• .			
torage humidity	10~90%RH (Non-c	0,	
ine vibration test	10 ~500Hz,30m/s², X,Y,		
ooling mode	Natural air co	ooling	
roduct certification			
Panel protection grade	Conforming to IP65	•	
CE certificate	EN61000-6-4:2007+A1:2011	, EN61000-6-2:2005	
oftware			
Configuration software	Kinco DTools	s Pro	

### **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.
- $\bullet \ \mathsf{Designed} \ \mathsf{with} \ \mathsf{dual} \ \mathsf{Ethernet} \ \mathsf{ports} \ \mathsf{and} \ \mathsf{three} \ \mathsf{serial} \ \mathsf{ports}, \ \mathsf{support} \ \mathsf{dual} \ \mathsf{-RS485} \ \mathsf{applications}$
- Built-in isolated power supply, good protection
- $\bullet \, \mathsf{Based} \, \mathsf{on} \, \mathsf{the} \, \mathsf{latest} \, \mathsf{Kinco} \, \mathsf{DToolsPro} \, \mathsf{configuration} \, \mathsf{software} \\ \& \mathsf{EdgeAccess2} \, \mathsf{remote} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{maintenance} \, \mathsf{platform} \, \mathsf{platfo$



	o configuration continuincatage, located remote maintenance platfo	
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	398.0
Display color	16.77M true color	
Display angle of view	88/88/88 (left/right/up/down)	
Contrast ratio	2500:1	
Backlight	LED	788.0
Brightness	350cd/m <sup>2</sup>	
Backlight life	70,000 hours	
Touch panel	4-wire precision resistance network	Kinco
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	381.7
Ethernet	LAN0:10/100 Mbps LAN1:10/100 Mbps	47.0 6.6 (including
Program download	Ethernet port/USB Slave/U disk	sealing ring)
Communication port	COM0:RS232/RS485/RS422;COM1:RS485/RS422;COM2:RS232;	
Electrical specifications		
Input power supply	DC18V~DC28V, built-in isolated	281.7
Power consumption	15W@DC24V	
Insulation resistance	Over 50MΩ@500V DC	
Hi-pot test	500 VAC 1 minute	<del>                                      </del>
Structure specifications		0 0
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)	1
Storage ambient temperature	-20~60°C	
Storage ambient humidity	10~90% RH (noncondensing)	E Cutout size
Shockproof performance	10~500Hz, 30m/S², X, Y, Z directions/hour	Cutout size
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	

### **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	Mechanica	ıl [
Performance specifications				
Display size	15.6"TF	Т		
Display area	334.16(W)×19			
Resolution	1920*1080	. ,		
isplay color	16.77 million tru			
isplay viewing angle	80/80/80/80(left/rig			
ontrast ratio	1000:1	, ap, ao,		
Backlight	LED			
rightness	250cd/m <sup>2</sup>	2	259.0	
acklight life		20000 hours		l
ouch Panel	4 line precision resistance network			l
PU	Ouad-core ARM	,		l
1emory	4GB eMMC+512		•_	L
TC	Built-in	10 10 111		
rtensible memory	1 USB Hos	st		
int port	USB Host/seria			
hernet	10/100Mb			
ogram download	USB Slave(Type-C)/U dis			
9		Ethernet/WIFI		
thernet	Ethernet	Ethernet/WiFi		
i-Fi/wireless network band	None	IEE802.11 b/g/n		
PN	Support HMI remote upload, download and	d screen monitoring,support PLC		
FIN	transparent transmission program uplo	oad, download and monitoring		
ommunication port	COM0:RS232/RS485/RS4	122;COM2:RS232		4
ctrical specifications				
out power supply	DC18V~D	C28V		
ated power	15W@DC	24V		لِ
llowable loss of power	<3ms	;		
sulation resistance	Over 50MΩ@5	500V DC		ſ
Pressure resistance test	500V AC 1n	ninute		
tructure specifications				H
CB	None			
hell material	Engineering	plastic		
verall dimension (mm)	395mm*259mm	•		H
tut-out dimension (mm)	381.5mm*24			
nstallation method	Snap-in installation, VESA mount in			
Veight(kg)	2.5Kg	,		
Environmental specification				
Norking temperature	0~50°	C.	<b>-</b>	
Working humidity	10~90%RH (Non-	-		
Storage temperature	-20~60	9.	 	
Storage humidity	10~90%RH (Non-	_	245.5	
Sine vibration test	10 ~500Hz,30m/s², X,		Ĩ	
Cooling mode	Natural air c			
Product certification	reaction of	501119	_ <u>+</u>	
	Conforming to ID65	roquiromente	_	
Panel protection grade CE certificate	Conforming to IP65			
CE certificate Software	EN61000-6-4:2007+A1:201	1, [1101000-0-2.2005]		
	Kinco DToo	In Dro		
onfiguration software	Kinco D Ioo	ISMO		

### **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.
- $\bullet \ \mathsf{Designed} \ \mathsf{with} \ \ \mathsf{Dual} \ \mathsf{Ethernet} \ \mathsf{ports} \ \mathsf{and} \ \mathsf{three} \ \mathsf{serial} \ \mathsf{ports}, \mathsf{ensuring} \ \mathsf{reliable} \ \mathsf{communication}$
- Metallic shell + three-proofing coating+ power isolation, safe and reliable
- Based on the latest Kinco DToolsPro configuration software&EdgeAccess2 remote maintenance platform



maintenance platform		
Model/Specification	G2156E2	Mechanical Dimensions (Unit: mm)
Performance specifications		
Display size	15.6"TFT	
Display area	344.16(W)x193.59(H)	395
Resolution	1,920*1,080 pixels	
Display color	16.7M	
Display angle of view	80/80/80 (left/right/up/down)	652
Contrast ratio	1000:1	52
Backlight	LED	
Brightness	250cd/m <sup>2</sup>	Kinco
Backlight life	> 20,000 hours	25.5
Touch panel	4-wire precision resistance network (surface hardness: 3H)	+ 8.0 (including
Processor	Quad-core ARM 1.5GHz	sealing ring)
Storage	4GB flash memory + 512MB memory	
RTC	Built-in RTC + 512KB recipe	243.8
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;	<u>.</u>
Electrical specifications		379.8
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	100
Structure specifications		
Shell material	Metallic	
Shape size	395x259x25.5mm	<u> </u>
Cutout size	381.5x245.5mm	
Installation	Buckle mounting, and VESA rack mounting (VESA 100*100mm)	
Weight	2.5kg	
Environmental specifications		381.5 mm
Operating ambient temperature	0~50°C	<b>†</b>
Operating ambient humidity	10~90% RH (noncondensing)	
Storage ambient temperature	-20~60°C	Cutout size
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 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



















### **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)	Mechanical Dimensions
Performance specifications			
Display size	7	" TFT	
Display area	154.08 (V	154.08 (W) ×85.92 (H)	
Resolution	800*	800*480 pixel	
Display color		llion true color	
Display angle of view	80/80/80/60(I	left/right/up/down)	
Contrast ratio		800:1	
Backlight		LED	
Brightness	40	0cd/m <sup>2</sup>	Kinco
Backlight life	200	00 hours	
Touch Panel		network (surface hardness 4H)	-
CPU		e ARM 1.8GHz	
Memory	8GB flash men	nory + 1GB memory	189.7
RTC		C + 512KB recipe	
Extensible memory		SB Host	
Print port	USB Hos	st/Serial port	<del>d'</del>
Ethernet		Mbps;LAN1:10/100Mbps	
Program download		'U disk/Ethernet	<del></del>
Communication port	COM0:RS232/RS485/RS422;	COM1:RS485/RS422;COM2:RS232	а
Electrical specifications			
Input power supply	DC18V ~DC2	8V,built-in isolated	
Rated power	7W(	@DC 24V	135.7
Allowable loss of power		- <3ms	
Insulation resistance	Over 50N	ΛΩ@500V DC	
Pressure resistance test	500V A	AC 1 minute	H
Structure specifications			
PCB coating		Yes	0 0
Shell material	Engine	ering plastic	
Shape size	204×1	L50×37mm	000 00
Cut-out size	1923	×138mm	no no near alle alle commen commen
Weight	(	0.6kg	
Environmental specification			
Working temperature	0 ·	~50°C	192
Working humidity	10~90%RH	(Non-condensing)	As .
Storage temperature	-20	)~60°C	√ξ
Storage humidity	10~90%RH	(Non-condensing)	
Sine vibration test	10 ~500Hz,30m/	s², X,Y,Z direction/hour	Cutout size
Cooling mode	Natura	l air cooling	
Product certification			
Panel protection grade	Conforming to	IP65 requirements	
CE certificate	CE Compliant(EN61000-6-4:2	007+A1:2011, EN61000-6-2:2005)	
UL certificate	None	UL Compliant	
Software			
Configuration software	Kinco	DToolsPro	

### **FUTURE Series Second-generation**

# F2100E2/F2100E2(UL)

- 10.1", near-full-view HD display, 16.00M true color
- $\bullet \ \mathsf{Designed} \ \mathsf{with} \ \mathsf{dual} \ \mathsf{Ethernet} \ \mathsf{ports} \ \mathsf{and} \ \mathsf{dual} \ \mathsf{serial} \ \mathsf{ports}, \ \mathsf{achieve} \ \mathsf{worry-free} \ \mathsf{communication}$
- 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)	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size	10.1	" TFT	
Display area	222.72 (W)	×125.28 (H)	271
Resolution	1024*6	00 pixel	Future series
Display color	16.77 millio	on true color	
Display angle of view	70/70/60/60(lef	t/right/up/down)	213
Contrast ratio		0:1	
Backlight	LE	ED	
Brightness	3500	ed/m²	Kinco
Backlight life	30000	hours	
Touch Panel	4 line precision resistance ne	etwork (surface hardness 4H)	
CPU	Quad-core A	ARM 1.8GHz	258.3
Memory	8GB flash memo	ry + 1GB memory	
RTC	Built-in RTC +	512KB recipe	0.0
Extensible memory	1 USE	B Host	
Print port	USB Host/	Serial port	38.0
Ethernet	LAN0:10/100/1000Mb	ps;LAN1:10/100Mbps	6.5(Contain sealing ring)
Program download	USB slave/U	disk/Ethernet	
Communication port	COM0:RS232/RS485	/RS422; COM2:RS232	
Electrical specifications			- c c
Input power supply	DC10.8V ~DC28	V,built-in isolated	
Rated power	7W@E	OC 24V	
Allowable loss of power	<3	ms	the second
Insulation resistance	Over 50MΩ	1@500V DC	
Pressure resistance test	500V AC 1 minute		00000
Structure specifications			00000 00000
PCB coating	Y	es	00000 00000
Shell material	Engineeri	ng plastic	
Shape size	271×213	3×38mm	
Cut-out size	260×2	202mm	
Weight	1.1	Lkg	260.0 mm
Environmental specification			-82
Working temperature	0~	50°C	
Working humidity	10~90%RH (N	on-condensing)	Cutout size
Storage temperature	-20~	-60°C	00100113126
Storage humidity	10∼90%RH (N	on-condensing)	
Sine vibration test	10~500Hz,30m/s <sup>2</sup>	, X,Y,Z direction/hour	
Cooling mode	Natural a	ir cooling	
Product certification			
Panel protection grade	Conforming to IF	P65 requirements	
CE certificate	CE Compliant(EN61000-6-4:200	7+A1:2011, EN61000-6-2:2005)	
UL certificate	None	UL Compliant	
Software			
Configuration software	Kinco D	ToolsPro	

### **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*8	00 pixel	
Display color	16.77 million true color		
Display angle of view	85/85/85/85(lef	t/right/up/down)	
Contrast ratio	120	00:1	
Backlight	LE	ED 2	
Brightness	5000	ed/m²	
Backlight life	50000	) hours	
Touch Panel	4 line precision resistance ne	etwork (surface hardness 4H)	
CPU	Quad-core A	ARM 1.8GHz	
Memory	8GB flash memo	ry + 1GB memory	
RTC	Built-in RTC +	512KB recipe	
Extensible memory	1 USE	3 Host	
Print port	USB Host/	/Serial port	
Ethernet	LAN0:10/100/1000Mb	pps;LAN1:10/100Mbps	
Program download	USB slave/U	disk/Ethernet	
Communication port	COM0:RS232/RS485	/RS422; COM2:RS232	
Electrical specifications			
Input power supply	DC18V ~DC28\	/,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	Met	tallic	
Shape size	313×235	×48.5mm	
Cut-out size	295×2	217mm	
Weight	51	kg	
Environmental specification			
Working temperature	0~	50°C	
Working humidity	10∼90%RH (N	on-condensing)	
Storage temperature	-20~	-60°C	
Storage humidity	10~90%RH (N	on-condensing)	
Sine vibration test	10 ∼500Hz,30m/s²	, X,Y,Z direction/hour	
Cooling mode	Natural a	ir cooling	
Product certification			
Panel protection grade	Conforming to IF	P65 requirements	
CE certificate	CE Compliant(EN61000-6-4:200	07+A1:2011, EN61000-6-2:2005)	
UL certificate	None	UL Compliant	
Software			

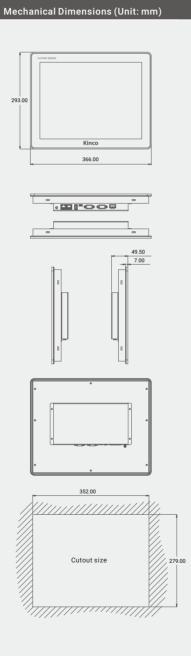
Mech	nanical Dimensions (Unit: mm)
_	, , ,
+	313.00
235.00	
	Kinco
	0 0
	ED 60 60
	48.50
	7.00
	• • •
	0 40.35
-	295.00
	Cutout size 217.00
-	

# 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/S <sup>2</sup> , 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		



# 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)	Mechanical Dimensions (Unit: mm)
Performance specifications			
Display size	15.6'	'TFT	
Display area	344.16 (W)	×163.2 (H)	
Resolution	1920*10	080 pixel	395.0
Display color	16.2 million		FUTURE SAMES
Display angle of view	89/89/89/89(left	t/right/up/down)	
Contrast ratio	100	00:1	
Backlight	LE	ED	789.0
Brightness	300c	d/m²	
Backlight life	30000	hours	
Touch Panel	4 line precision resistance ne	twork (surface hardness 4H)	Kinco
CPU	Quad-core A	ARM 1.8GHz	11 25.5
Memory	8GB flash memor	ry + 1GB memory	7.0 (including
RTC	Built-in RTC +	512KB recipe	sealing ring)
Extensible memory	1 USB	Host	
Print port	USB Host/	Serial port	-   -   -   -   -   -   -   -   -   -
Ethernet	LAN0:10/100/1000Mb	ps;LAN1:10/100Mbps	2433
Program download	USB slave/U	disk/Ethernet	0 0 0
Communication port	COM0:RS232/RS485/	/RS422; COM2:RS232	1.9—
Electrical specifications			
Input power supply	DC18V ~DC28V	/,built-in isolated	
Rated power	15W@I	DC 24V	0.0
Allowable loss of power	<31	ms	379.8 ▶
Insulation resistance	Over 50MΩ	@500V DC	
Pressure resistance test	500V AC	1 minute	0 0 0 0
Structure specifications			
PCB coating	Ye	es	180
Shell material	Meta	allic	
Shape size	395×259	×25.5mm	
Cut-out size	381.5×2	245.5mm	•
Installation	Buckle mounting, and VESA rack	mounting (VESA 100 *100 mm)	<u> </u>
Weight	2.5	ikg	
Environmental specification			• •
Working temperature	0~!	50°C	381.5 mm →
Working humidity	10~90%RH (N		1
Storage temperature	-20~		
Storage humidity	10~90%RH (N		E
Sine vibration test	10 ∼500Hz,30m/s²,		E Cutout size
Cooling mode	Natural a	ir cooling	
Product certification			
Panel protection grade	Conforming to IP	•	4
CE certificate	CE Compliant(EN61000-6-4:200		
UL certificate	None	UL Compliant	
Software			
Configuration software	Kinco D1	ToolsPro	

### **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)	Mechanical Dimensions (Un
Performance specifications			
Display size	15.6"	TFT	
Display area	344.16 (W)	×163.2(H)	
Resolution	1920*10	1920*1080 pixel	
Display color	16.2 million	true color	395.0
Display angle of view	89/89/89/89(left	/right/up/down)	-
Contrast ratio	100	0:1	
Backlight	LE	D	
Brightness	300c	d/m²	0.289.0
Backlight life	30000	hours	
Touch Panel	Reinforced glass cap	pacitive touch panel	
CPU	Quad-core A	RM 1.8GHz	Kinco
Memory	8GB flash memor	y + 1GB memory	==   2
RTC	Built-in RTC +	512KB recipe	4.5
Extensible memory	1 USB	Host	
Print port	USB Host/S	Serial port	
Ethernet	LAN0:10/100/1000Mb	os;LAN1:10/100Mbps	243.8
Program download	USB slave/U o	lisk/Ethernet	
Communication port	COM0:RS232/RS485/	RS422; COM2:RS232	1.9—
Electrical specifications			
Input power supply	DC18V ~DC28V	built-in isolated	1:
Rated power	15W@E	OC 24V	379.8
Allowable loss of power	<3r	ns	
Insulation resistance	Over 50MΩ	@500V DC	11
Pressure resistance test	500V AC	1 minute	100
Structure specifications			
PCB coating	Ye	S	
Shell material	Meta	allic	
Shape size	395×2592	×25.5mm	
Cut-out size	381.5×2	45.5mm	
Installation	Buckle mounting, and VESA rack	mounting (VESA 100 *100 mm)	
Weight	2.5	kg	→ 381.5 mm
Environmental specification			
Working temperature	0~5		
Working humidity	10∼90%RH (No	10~90%RH (Non-condensing)	
Storage temperature	-20~	60°C	Cutout size
Storage humidity	10∼90%RH (No	on-condensing)	
Sine vibration test	10 ∼500Hz,30m/s²,	X,Y,Z direction/hour	<u> </u>
Cooling mode	Natural ai	r cooling	
Product certification			
Panel protection grade	Conforming to IP	65 requirements	
CE certificate	CE Compliant(EN61000-6-4:200	7+A1:2011, EN61000-6-2:2005)	
UL certificate	None	UL Compliant	
Software			
Configuration software	Kinco DT	oolsPro	

### **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



Model/Specification	F2156E-TX	Mechanical Dimensions (Unit: mn
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(left/right/up/down)	
Contrast ratio	1000:1	
Backlight	LED	000
Brightness	300cd/m <sup>2</sup>	
Backlight life	30000 hours	
Touch Panel	Reinforced glass capacitive touch panel	
CPU	Quad-core ARM 1.8GHz	397
Memory	8GB flash memory + 1GB memory	
RTC	Built-in RTC + 512KB recipe	ППП
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 )	JI 1L
Program download	USB slave/U disk/Ethernet	32.5
Communication port	COM0:RS232/RS485/RS422; COM2:RS232	52.3
Electrical specifications		
Input power supply	DC18V ~DC28V,built-in isolated	
Rated power	15W@DC 24V	
Allowable loss of power	<3ms	
Insulation resistance	Over 50M Ω @500V DC	
Pressure resistance test	500V AC 1 minute	
Structure specifications		0 0 0
PCB coating	Yes	22
Shell material	Metallic	
Shape size	397×297×46mm	1 75
Installation	Cantilever installation	6-Ø5 / 118
Installation size	118×70mm	
Weight	4kg	
Environmental specification	TING	
Working temperature	0 ~50°C	
Working humidity	10~90%RH (Non-condensing)	
Storage temperature	-20~60°C	
Storage humidity	10~90%RH (Non-condensing)	5 5 5 W
Sine vibration test	10~500Hz,30m/s², X,Y,Z direction/hour	
Cooling mode	Natural air cooling	
Product certification	inatural all cooling	
Panel protection grade	Conforming to IDCE requirements	
CE certificate	Conforming to IP65 requirements	
	CE Compliant(EN61000-6-4:2007+A1:2011, EN61000-6-2:2005)	
Software Configuration software	Kinco DToolsPro	

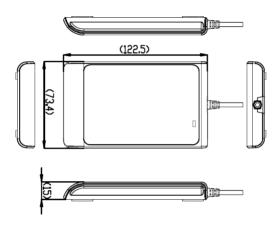
### R321KB Series Desktop High-frequency Reader-writer

- 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

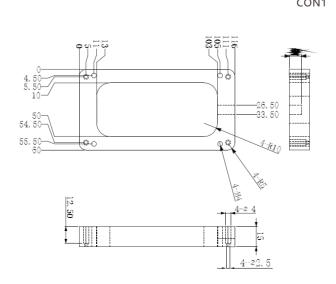
Model	RFID-R321KB-PB
Parameters	
Operating voltage/power consumption	+5V/0.3W
Communication port	USB
Port type	USB Type A
Operating frequency	13.56MHz
Antenna pattern	Integrated
TX power	0.2W
Supported protocols	ISO14443A/B,ISO15693/ISO18000-3M1
Tag reading distance	5cm
Operating temperature	-10°C∼+65°C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



Mechanical Dimensions (Unit: mm)



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



LED

### 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

















