GREEN Series HMI

G121E

Product Features:

‐ **Advanced platform**：NXP industrial grade CPU， over 10 years' market performance， 800MHz， 128MDDR3；

‐ **Industrial display**： 12.1",4:3 display scale, bigger and brighter, over 50000 hours' backlight life；

‐ **Rich in storage**： external expansion by SD CARD, U disk, the maximum expansion up to 256GB；

- **Well-protected**: Built-in serial port isolation& power isolation to improve reliability.

The GREEN series cooperates with new generation free configuration software: **Kinco DTools.**

It supports eight languages versions of Chinese, Traditional Chinese, English ,Korean,Germany,Russia, Arabic and Turkey.
The configuration design content supports all fonts installed in computer system.
It supports cloud monitoring. VNC achieves interoperation between HMI and HMI, HMI and PC, mobile phones(or other terminals), supports convenient components such as installment, PDF browsing and operating log records for designing guiding interface.

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G121E

Model	G121E
Performance specification	
Display size	12.1"TFT
Display area	246mm(W)x184.5mm(H)
Resolution	800*600 pixel
Display color	65536 colors
Display angle of view	80/80/65/75(left/right/up/down)
Contrast ratio	800:1
Backlight	LED
Brightness	400cd/m^2
Backlight life	50000 hours
Touch panel	4 line precision resistance network (surface hardness 4H)
CPU	ARM RISC 32Bit 800MHz
Storage	128MB NAND Flash Memory+128MB DDR3 Memory
RTC	Built-in
Extensible memory	1 USB Host +1 SD card
Print port	USB Host/serial port
Ethernet	10/100MHz self-adaption
Program download	USB Slave(Micro USB)/U disk/Ethernet
Communication port	COM0:RS232/RS485/RS422; COM1:RS485/RS422; COM2:RS232
Electrical specifications	
Input power supply	DC12V ~ DC28V,Built-in isolation power supply
Rated power	10.8W
Allowable loss of power	<3ms
Insulation resistance	Over 50MΩ@500V DC
Hi-pot test	500 VAC 1 minute
Structure specifications	
PCB	exquisite spraying
Shell material	Engineering plastic
Shape size	350mm*260mm*54mm
Cutout size	339mm*249mm
Weight	2.2Kg
Environmental specifications	
Temperature working	-10 ~ 55℃
Humidity working	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 certification(4208—93)
CE authentication	EN61000-6-4:2007+A1:2011, EN61000-6-2:2005
Software	
Configuration software	Kinco DTools V3.4 and above

Mechanical Dimensions (Unit : mm)

Kinco®Automation