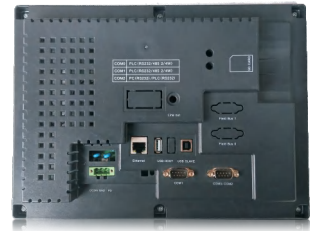# GREEN Series HMI

# GH104E

## Product Features：

- Industrial grade CPU, 800MHz, 128M DDR3
- 7", high-definition display, 16.77 million true colors;
- 4:3 display scale, 20% of display area greater than 16:9
- Main board three-defence treatment and isolation of power and serial port to effectively deal with complex environment;
- Up to 4 serial ports for different levels of requirements;
- Sealing design of buckle for waterproof and oil resistance.

The GREEN series cooperates with new generation free configuration software: **Kinco DTools**.
It supports four languages versions of Chinese, English, Korean and Russian. 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. It is the humanized design and easy to use.

# Kinco

## GREEN Series HMI
## GH104E

| Model | GH104E | Mechanical Dimensions ( Unit : mm ) |
|---|---|---|
| **Performance specification** | | |
| Display size | 10.4"TFT | |
| Display area | 211.20mm(W)x158.40mm(H) | |
| Resolution | 800*600 pixel | |
| Display color | 16.77M color | |
| Display angle of view | 70/70/60/70(left/right/up/down) | |
| Contrast ratio | 500:1 | |
| Backlight | LED | |
| Brightness | 350cd/m$^2$ | |
| Backlight life | More than 30000 hours | |
| Touch panel | 4 line precision resistance network (surface hardness 4H) | |
| CPU | ARM RISC 32Bit 800MHz | |
| Storage | 128MB NAND Flash Memory+128MB DDR3 Memory | |
| RTC | Built-in | |
| Extensible memory | 1 USB Host + 1 SD Card | |
| Print port | USB Host/serial port | |
| Ethernet | 10/100MHz self-adaption | |
| Program download | USB Slave/U disk/Ethernet | |
| Communication port | COM0:RS232/RS485/RS422; COM1: RS232/RS485/RS422; COM2:RS232; COM3: RS485 | |
| Serial port isolation | Built-in | |
| **Electrical specifications** | | |
| Input power supply | DC12V ~ DC28V,Built-in isolation power supply | |
| Rated power | 8W | |
| Allowable loss of power | <3ms | |
| Insulation resistance | Over 50MΩ@500V DC | |
| Hi-pot test | 500 VAC 1 minute | |
| **Structure specifications** | | |
| Shell material | Engineering plastic | |
| Shape size | 310mm*230mm*56mm | |
| Cutout size | 299mm*219mm | |
| Weight | 1.715Kg | |
| **Environmental specifications** | | |
| Temperature of working environment | -10 ~ 55℃ | |
| Humidity of working environment | 10 ~ 90％RH（non-condensing） | |
| Storage environment temperature | -20 ~ 60℃ | |
| Storage environment 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 V3.3 and above version | |

# Kinco® Automation

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