



# GREEN Series HMI

## GL100/GL100E

### Product Features:

- Industrial-grade CPU, 800MHz, 128M DD R3;
- 10.1 ", HD display, 16.77 million true colors;
- The protection level of the front panel meets the requirements of IP65 certification;
- Install the snap seal design, waterproof and anti-oil;
- A new generation of Kinco DTools configuration software, powerful, simple and easy to use.



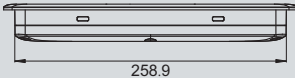
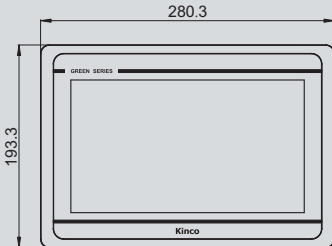
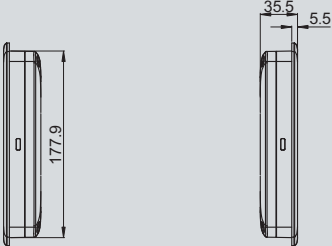

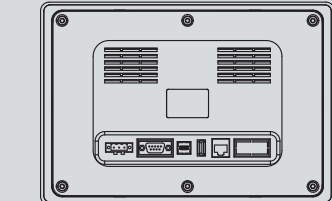
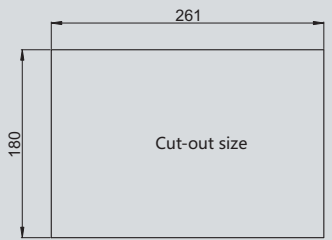
The GREEN series cooperates with new generation free configuration software: **Kinco DTools**.

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.

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| Model                              | GL100   |                           | GL100E | Mechanical Dimensions ( Unit : mm )   |
|------------------------------------|---|---------------------------|--------|---|
| Performance specification          |   |                           |        |   |
| Display size                       | 10.1" TFT   |                           |        |    |
| Display area                       | 222.72mm(W)x125.28mm(H)                                   |                           |        |   |
| Resolution                         | 1024*600 pixels   |                           |        |    |
| Display color                      | 16.77M color  |                           |        |   |
| Display angle of view              | 70/70/60/70(left/right/up/down)                           |                           |        |   |
| Contrast ratio                     | 500:1   |                           |        |   |
| Backlight                          | LED   |                           |        |  |
| Brightness                         | 400cd/m <sup>2</sup>                                      |                           |        |   |
| 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  |                           |        |   |
| Print port                         | USB Host/serial port                                      |                           |        |   |
| Ethernet                           | None  | 10/100MHz self-adaption   |        |   |
| Program download                   | USB Slave/U disk  | USB Slave/U disk/Ethernet |        |   |
| Communication port                 | COM0:RS232/RS485/RS422;<br>COM2:RS232                     |                           |        |   |
| Electrical specifications          |   |                           |        |   |
| Input power supply                 | DC10V ~ DC28V   |                           |        |   |
| Rated power                        | 6W @24V DC  |                           |        |   |
| 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                         | 280mm*193mm*36mm  |                           |        |   |
| Cutout size                        | 261mm*180mm   |                           |        |   |
| Weight                             | 0.9Kg   |                           |        |   |
| Environmental specifications       |   |                           |        |   |
| Temperature of working environment | 0 ~ 50℃   |                           |        |   |
| 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 <sup>2</sup> , 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                       |                           |        |   |