



# SE5000

## SE5000 Multi-touch Capacitive HMIs

- ❑ Multi-touch capacitive HMI, nimble touch, better light transmittance, anti-scratch, no drift
- ❑ Multi-gesture is supported, more friendly man-machine interactive experience
- ❑ High resolution, high brightness, IPS
- ❑ New configuration software with rich gallery and more powerful function



- Projected capacitive, multi-touch Glass+Glass touch screen.
- 7 inch 1024\*600 IPS LCD, high brightness, high contrast ratio, full viewing angle.
- Aluminum panel, metal frame, exquisite and metallic appearance, with only 31mm thickness.
- Industrial isolation power supply, spray coating treatment and applicable to various harsh environment.
- SD card Supporting.
- USB Device 2.0, high speed software downloading.
- USB Host: Supporting USB Disk/USB Keyboard/Mouse expanded device etc.
- Complied with RoHS,CE certification.

## Technical Parameters

|                    |  |
|--------------------|--|
| Display:           | 7" TFT LCD   |
| Resolution(W x H): | 1024×600   |
| Colors:            | 24-bit colors                                      |
| Brightness:        | 450cd/m <sup>2</sup>                               |
| Backlight :        | LED  |
| Backlight Life:    | 50000 hours  |
| Touch Panel:       | Glass+ glass multi-touch capacitive HMI            |
| CPU:               | 600MHz ARM Cortex A8                               |
| Memory:            | 128MB Flash + 128MB DDR3                           |
| RTC:               | Built in   |
| Ethernet :         | 10M/100M Ethernet                                  |
| USB Port:          | USB Device 2.0*1, USB Host 2.0*1                   |
| Download Project:  | U-disk /USB Device/Ethernet                        |
| COM Port:          | COM1/COM2 : RS232/RS485/RS422<br>COM3/COM4 : RS232 |

## Electrical Specifications

|                    |   |
|--------------------|---|
| Power Consumption  | < 8W  |
| Input Power        | DC24V, Input Range: DC 9V~28V                                       |
| Power Protection   | Isolation Power;protected from thunderstrike and surging            |
| Power Down Allowed | < 5mS   |
| CE                 | CE, complied with EN61000-6-2:2005, EN61000-6-4:2007                |
| RoHS               | Complied with RoHS;Surge Immunity:±1KV, EFT:±2KV ; ESD:4KV, Air:8KV |

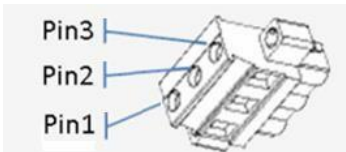
## Others

|                        |                           |
|------------------------|---------------------------|
| Opercating Temperature | -20~70°C                  |
| Storage Temperature    | -30~85°C                  |
| Operating Humidity     | 10~90%RH(No condensation) |
| Vibration Endurance    | 10~25Hz (X/Y/Z 2G/30Min)  |
| Cooling                | Natural air cooling       |

## Environment Specifications

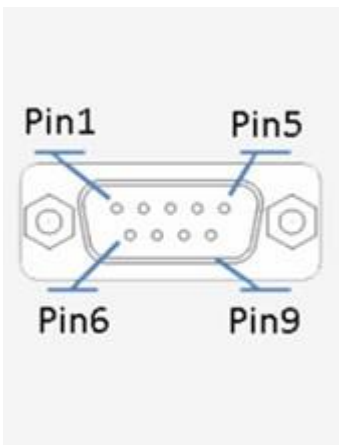
|                       |   |
|-----------------------|---|
| Degree of Protection  | Front IP65(with NEMA panel),Back IP20   |
| <b>Shell Material</b> | Front cover made by aluminum, and the surface with hard oxide treatment; Back cover made by galvanized sheet and the surface with dry spray treatment |
| Panel Cutout(W×H)     | 185×123(mm)   |
| Dimension             | 194.3×132.1×41.2(mm)  |
| Weight                | About 1000g   |

## Power



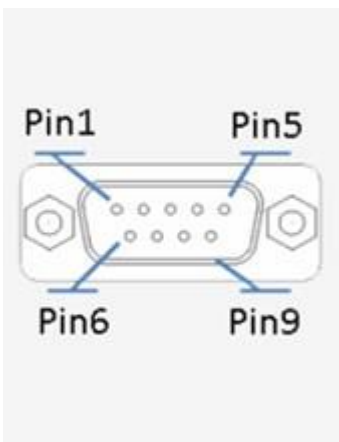
|      |       |
|------|-------|
| Pin1 | DC24V |
| Pin2 | 0V    |
| Pin3 | FG    |

## COM1/COM3 (9DB)



|      |                         |
|------|-------------------------|
| Pin1 | Rx-(B)                  |
| Pin2 | RxD_PLC (COM1 RS232)    |
| Pin3 | TxD_PLC (COM1 RS232)    |
| Pin4 | Tx-                     |
| Pin5 | GND                     |
| Pin6 | Rx+(A)                  |
| Pin7 | RxD_PC/PLC (COM3 RS232) |
| Pin8 | TxD_PC/PLC (COM3 RS232) |

## COM2/COM4 (9DB)



|      |                         |
|------|-------------------------|
| Pin1 | Rx-(B)                  |
| Pin2 | RxD_PLC (COM2 RS232)    |
| Pin3 | TxD_PLC (COM2 RS232)    |
| Pin4 | Tx-                     |
| Pin5 | GND                     |
| Pin6 | Rx+(A)                  |
| Pin7 | RxD_PC/PLC (COM4 RS232) |
| Pin8 | TxD_PC/PLC (COM4 RS232) |
| Pin9 | Tx+                     |

## Mechanical Structure

## Panel Structure

