

Module: RTS6070WE

Overview

Industrial HMI 6000 Series, a new generation human-machine interface. It is high-quality and cost-effective touch screen, industrial ABS plastic shell, low cost, high reliability. The main board is treated with a special coating (three anti-paint) to adapt to harsh environments. The new model opens with a more practical down-line approach, and the redesigned front face has a better looking look, and higher resolution model is available.

Appearance








Specifications

| | | |
|-----------------------------|--------------------|--|
| Hardware parameter | Display | 7" 16:9 TFT LCD |
| | Resolution(WxH) | 1024×600 |
| | Colors | 24-bit |
| | Brightness | 450 cd/m ² |
| | Backlight | LED |
| | LCD Life | 50000 hours |
| | Touch Panel | 4 wires resistive touch screen (Surface hardness 4H) |
| | CPU | 600MHz ARM Cortex-A8 |
| | Memory | 128M Flash + 128M DDR3 |
| | RTC | Built in |
| | Ethernet | 1 way 10M/100M adaptive |
| | SD card Port | Available |
| | USB Port | USB Slave 2.0 port*1,USB Host 2.0 port*1 |
| | Download Project | USB Slave/U disk / Ethernet |
| | COM Port | COM1/COM3:RS232/RS485/RS422 COM2:RS485 |
| LCD viewing angle (T/B/L/R) | 85'/85'/85'/85' | |
| Electrical Specifications | Power Consumption | < 10W |
| | Input Power | DC24V, working range DC 9V~28V |
| | Power Protection | Protected from thunder strike and surging |
| | Power Down Allowed | < 5mS |

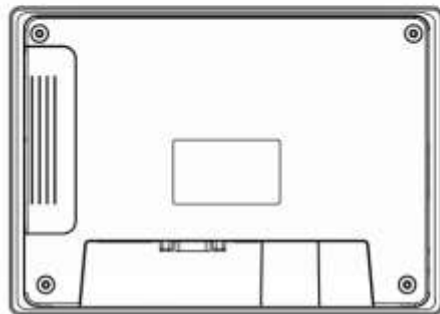
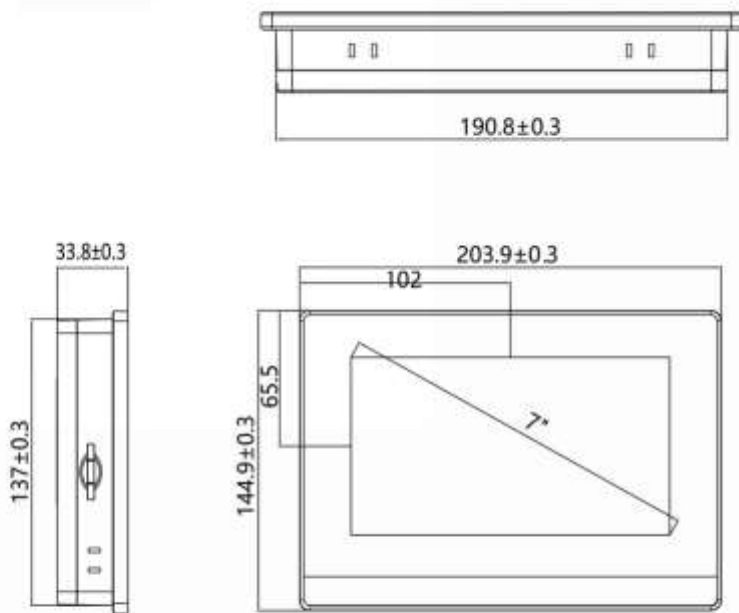
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|------------------------------|-----------------------|--|
| | CE & RoHS | Complied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KV |
| Environmental Specifications | Operating Temperature | 0~50°C |
| | Storage Temperature | -20~60°C |
| | Anti-UV | Not suitable to work in strong ultraviolet light (such as direct sunlight) |
| | Operating Humidity | 10~90%RH (no condensate) |
| | Vibration Endurance | 10~25Hz (X,Y,Z direction 2G/30 minutes) |
| | Cooling | Natural air cooling |
| Mechanical index | Degree of Protection | Front IP65(with NEMA panel),Back IP20 |
| | Enclosure | ABS+PC |
| | Panel Cutout | 192mm×138mm |
| | Dimension | 204mm×145mm×33.8mm |
| | Weight | About 560g |

Wiring definition

| Power terminal (Pin1~Pin3from left to right) | | |
|--|------|------------------|
| | Pin1 | FG |
| | Pin2 | 0V |
| | Pin3 | DC24V |
| DB9 Serial terminal | | |
| | Pin1 | Rx-(B) |
| | Pin2 | RxD (COM1 RS232) |
| | Pin3 | TxD (COM1 RS232) |
| | Pin4 | Tx- |
| | Pin5 | GND |
| | Pin6 | Rx+(A) |
| | Pin7 | RxD (COM3 RS232) |
| | Pin8 | TxD (COM3 RS232) |
| | Pin9 | Tx+ |
| 485 terminal (Pin1~Pin2 from left to right) | | |
| | Pin1 | A+ (COM2 RS485) |
| | Pin2 | B- (COM2 RS485) |

| | | |
|---|------------|---|
| Ethernet port | | |
|  | RJ45 | Used for Ethernet setup with the controller or for connecting to a server |
| USB Host | | |
|  | USB Type A | Used to connect U disk, scan code gun and other peripherals |
| USB Slave | | |
|  | MicroUSB | Used to download programs and debug |
| | | |

Size RTS6070WE



Panel Cutout (W*H):
 $192 \times 138 (+1.5\text{mm}/-0.0\text{mm})$