



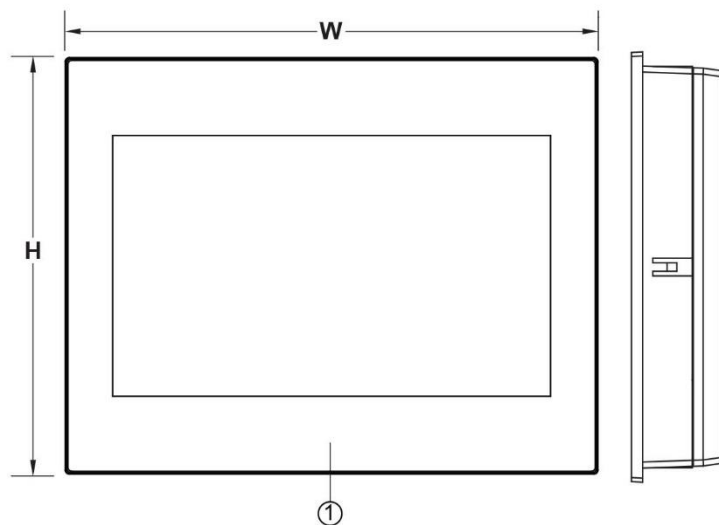
P5101NA

HMI with 10.1" TFT LCD display

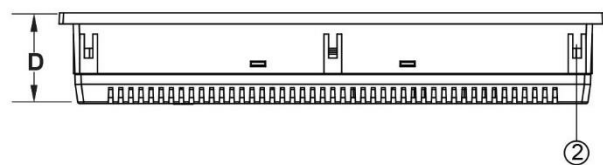
- ◇ Cortex 600 MHz Processor
- ◇ Built-in Power Isolation
- ◇ Built-in COM Port Isolation
- ◇ Built-in PLC Expansion function
- ◇ PCB coating for Stability in Harsh Environment
- ◇ Fan-less Design for Cooling Method
- ◇ High Noise Immunity Design for Industrial Application

| | | | | | | |
|-------------------|--------------------------------------|---|-------------------|----------------------------|--------------------------------|-----------------------|
| Display | Panel Size | 10.1" TFT (16:9) | I/O Port | Serial 1 (DB-9) | RS-232 (2W) | |
| | Panel Resolution | 1024 x 600 | | Serial 2 (Terminal Blocks) | RS-422/485 (4W) RS-485 (2W) | |
| | Brightness | 300 (cd/m ²) | | RS-422/485 Isolation | – | |
| | Contrast Ratio | 450 | | Ethernet | 10M / 100M | |
| | Backlight Type | LED | | USB HOST | USB2.0 x 1 | |
| | Backlight Life Time | 25,000 Hrs | | USB Device | USB2.0 x 1(Mini-USB) | |
| | Colors | 16.7M | | Micro-SD Slot | – | |
| | LCD Viewing Angle | 50/20/55/55 (T/B/L/R) | | Audio Output | – | |
| Touch | Type | 4-wire Resistive Type | I/O Extension | Video Input | – | |
| | Accuracy | X axis±2%; Y axis±2% | | Termination Switch | Yes | |
| Memory | Flash | 256MB | | PLC Extension | Yes | |
| | RAM | 128MB | | HMI Extension | Yes | |
| System | CPU | 32 bit RISC Cortex 600MHz | | Wireless Module | Yes | |
| | RTC | Yes | | Power | Power Input Range | 14 ~ 32VDC |
| Dimension /Weight | Dimensions W x H x D | 271.5 x 213.5 x 44.9 (mm) | | | Power Isolation | Yes |
| | Cut-out | 259.5 x 201.5 (mm) | | | Isolation Resistance | Exceed 50MΩ at 500VDC |
| | Weight | 1360 (g) | Power Consumption | | 11.52W (@24VDC) | |
| Environment | Protection Structure | Front panel : IP65 / Rear Case : IP20 | | | | |
| | PCB Coating | Yes | | | | |
| | Operating Temp | 0~50°C | | | | |
| | Storage Temp | -20 ~ 60°C | | | | |
| | Relative Humidity | 10%~90% (40°C Non-condensing) | | | | |
| | Withstand Voltage | 500VAC/20mA/1 Min. (between charger & FG terminals) | | | | |
| | Vibration Endurance | 5 to 9Hz Half-amplitude: 3.5mm ; 9 to 150 Hz Constant acceleration: 19.6m/s ² (2G) ; 3 directions of X, Y, Z : 10times (IEC61131-2 complaints) | | | | |
| Software | FvDesigner V1.5.64 or later versions | | | | | |
| Certification | CE , UL | | | | | |

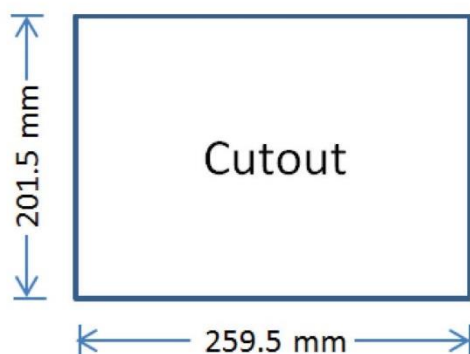
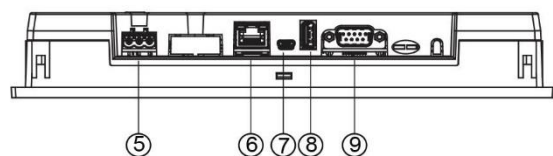
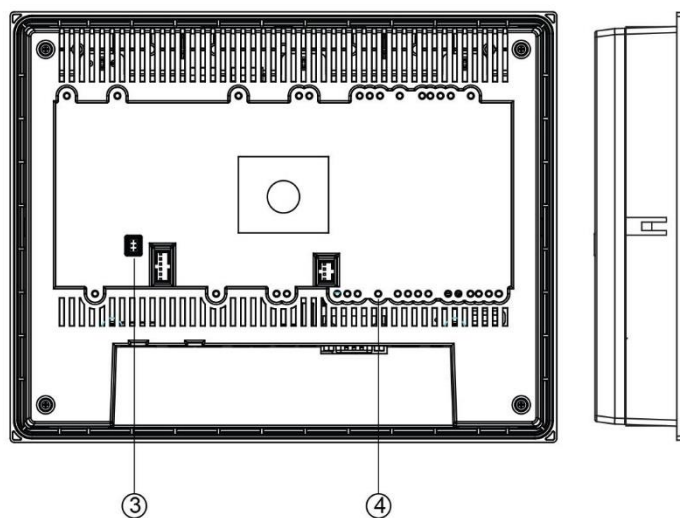
◆ Dimensions Drawing



| | |
|---|----------|
| W | 271.5 mm |
| H | 213.5 mm |
| D | 44.9 mm |



| | |
|---|------------------------------------|
| ① | Power Indicator Light |
| ② | Mounting Hole |
| ③ | HB1 PLC Connector |
| ④ | HB1 PLC Screw Hole |
| ⑤ | Power Connector |
| ⑥ | Ethernet RJ45 Connector |
| ⑦ | Mini USB Connector |
| ⑧ | USB Connector |
| ⑨ | COM1/COM2/COM3 DB-9 Male Connector |



| DB-9 Male Connector | | | | |
|---------------------|------------------|------------------|------------------|------------------|
| PIN | COM1 [RS-232] | COM2 [RS-422] | COM2 [RS-485] | COM3 [RS-485] |
| 1 | - | TX+ | DATA+ | - |
| 2 | RX | - | - | - |
| 3 | TX | - | - | - |
| 4 | - | RX+ | - | - |
| 5 | GND | GND | GND | GND |
| 6 | - | TX- | DATA- | - |
| 7 | - | - | - | DATA+ |
| 8 | - | - | - | DATA- |
| 9 | - | RX- | - | - |