



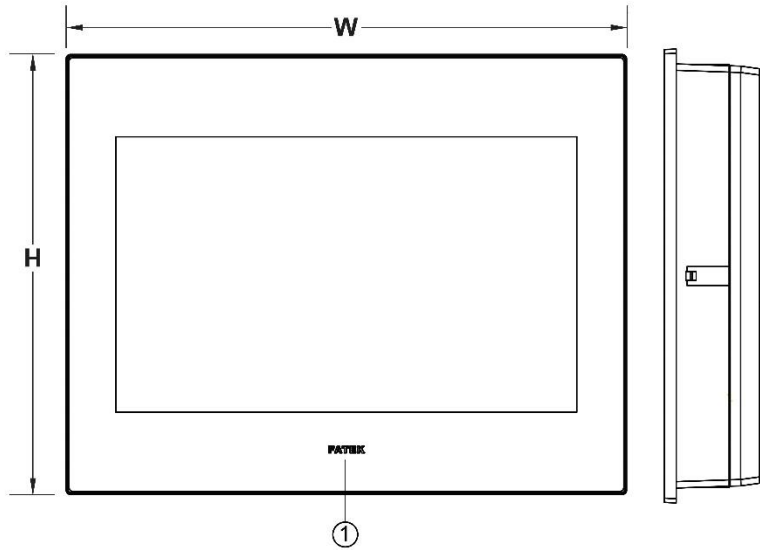
P2102SK

HMI with 10.2" TFT LCD display

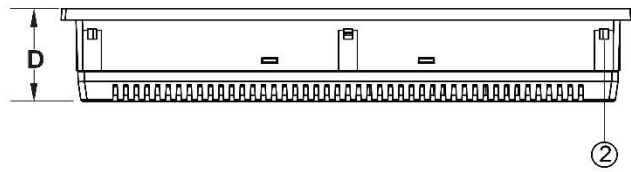
- ✧ Cortex 600 MHz Processor
- ✧ Built-in PLC Expansion function
- ✧ Wide Power Input Range
- ✧ PCB coating for Stability in Harsh Environment
- ✧ Fan-less Design for Cooling Method
- ✧ High Noise Immunity Design for Industrial Application

| | | | | | |
|----------------------|----------------------|--|---------------------------|--------------------------------------|--------------------------------|
| Display | Panel Size | 10.2" TFT (16:9) | I/O Port | Serial 1 (DB-9) | RS-232 (2W) RS-422/485 (4W) |
| | Panel Resolution | 800 X 480 | | Serial 2 (Terminal Blocks) | - |
| | Brightness | 350 (cd/m ²) | | RS-422/485 Isolation | - |
| | Contrast Ratio | 300 | | Ethernet | - |
| | Backlight Type | LED | | USB HOST | USB2.0 * 1 |
| | Backlight Life Time | 20,000 Hrs. | | USB Device | USB2.0 * 1(Mini-USB) |
| | Colors | 16.7M | | Micro-SD Slot | - |
| | LCD Viewing Angle | 45/65/65/65 (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 | - |
| Memory | Flash | 128M | Dimension / Weight | PLC Extension | Yes |
| | RAM | 128M | | Dimensions W x H x D | 271.5*213.5*44.6 (mm) |
| System | CPU | 32 bit RISC Cortex 600MHz | | Cut-out | 259.5*201.5 (mm) |
| Power | Power Input Range | 10.5 ~ 28VDC | RTC | Weight | 1280 (g) |
| | Isolation Resistance | Exceed 50MΩ at 500VDC | | Yes | |
| | Power Consumption | 7.5W (@24VDC) | Software | FvDesigner V1.5.21 or later versions | |
| 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) | | | |
| Certification | CE | | | | |

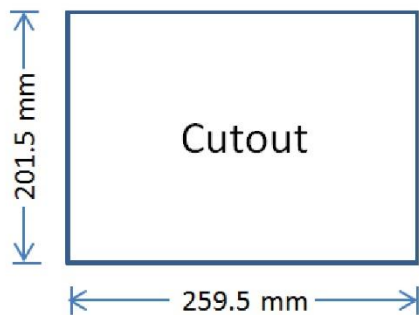
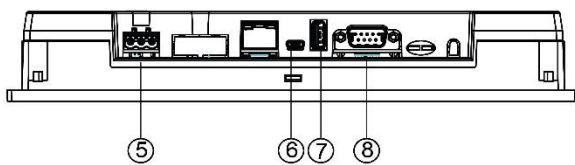
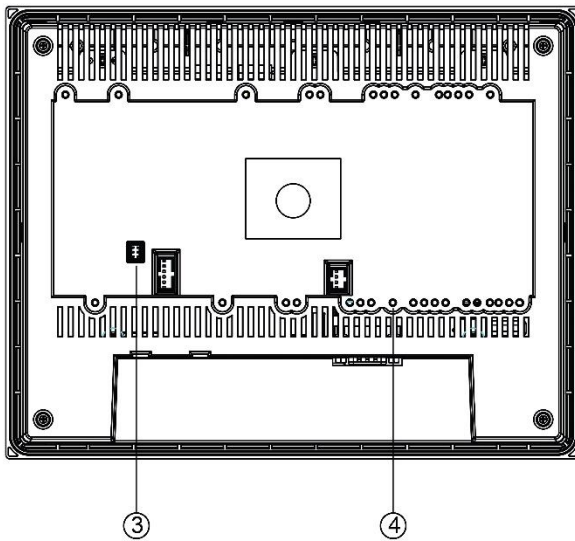
◆ **Dimensions Drawing – P2102SK**



| | |
|---|----------|
| W | 271.5 mm |
| H | 213.5 mm |
| D | 44.6 mm |



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



| DB-9 Male Connector | | | |
|---------------------|------------------|---------------|---------------|
| PIN# | COM1 [RS-232] | COM2 [RS-422] | COM2 [RS-485] |
| 1 | NC ^{*1} | TX+ | DATA+ |
| 2 | RX | NC | NC |
| 3 | TX | NC | NC |
| 4 | NC | RX+ | NC |
| 5 | GND | GND | GND |
| 6 | NC | TX- | DATA- |
| 7 | RTS | NC | NC |
| 8 | CTS | NC | NC |
| 9 | NC | RX- | NC |

*1 NC: No Connection