

# PPC-BT10A



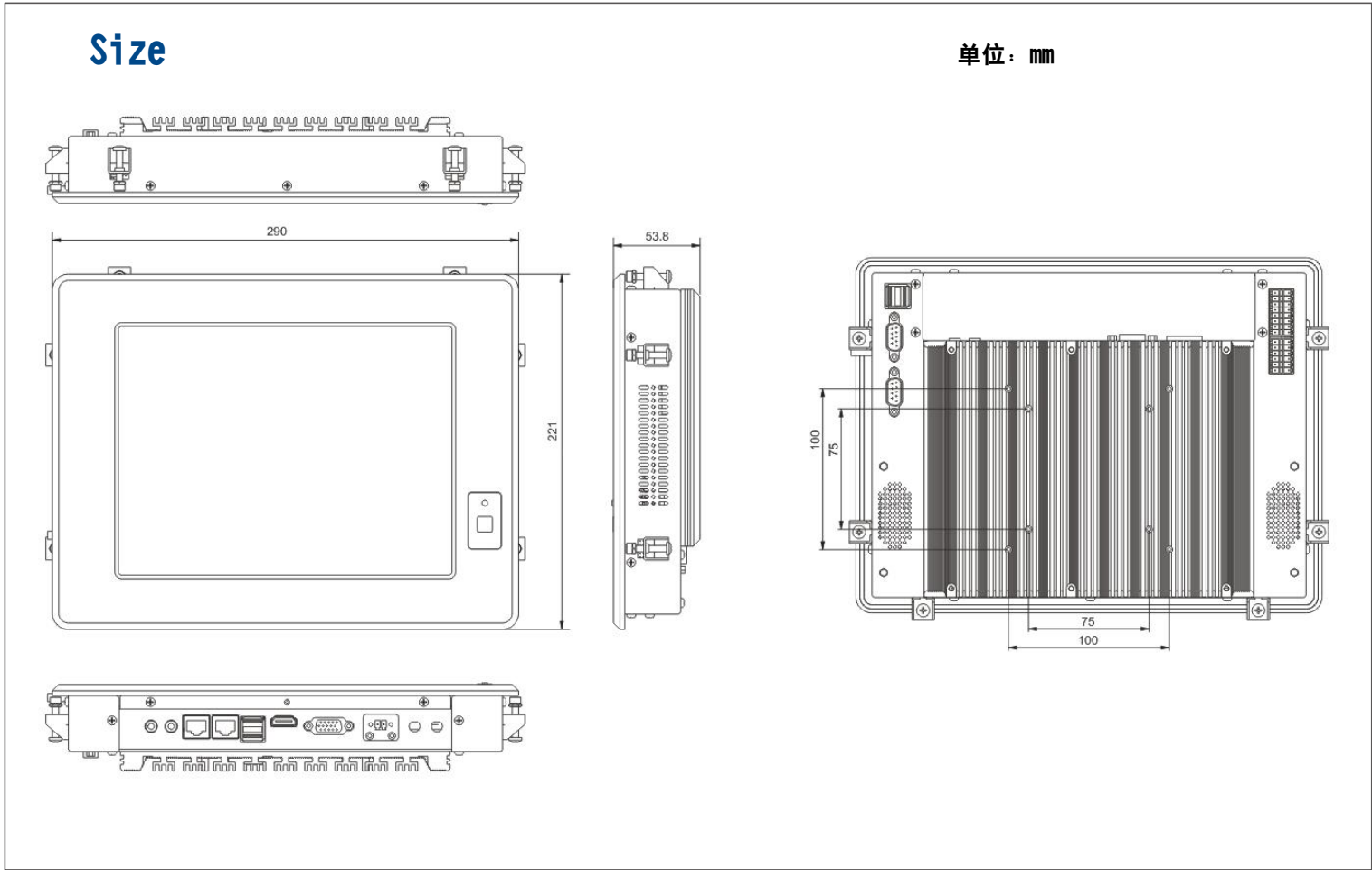
- ◆ Adopt Intel Baytrail-D/I/M serial CPU
- ◆ 10 inch TFT LED display and 4-wire resistive touch screen
- ◆ Front panel protection class IP65
- ◆ Support SATA and M-SATA storage
- ◆ Support wireless 3G/WIFI Internet access
- ◆ Reserve 2 \* Phoenix terminals (customized function used)
- ◆ DC12V5A power supply
- ◆ Sealed and fanless design

## SPECIFICATIONS

PPC-BT10A is a high quality 10 inch ultra-thin LCD industrial Panel PC, powered by Intel Celeron Baytrail-D/I/M processor, compact fanless embedded system provides high-performance computing. With high durability design of front panel IP65 degree of protection, sturdy aluminium casing, 5 wires resistive touch screen, supports 2 serial ports, 2 USB ports and 2 Gigabit Ethernet ports to meet a variety of industrial applications.

|                          |                             |   |
|--------------------------|-----------------------------|---|
| PROCESSOR                | CPU                         | Onboard Intel Celeron Baytrail-D/I/M Processor  |
|                          | RAM                         | Onboard 2GB/4GB DDR3 1066/1333MHz, 1 RAM slot to expand 8GB DDR3 RAM max.   |
|                          | STORAGE                     | Onboard SSD 16/32/64/128G (optional)<br>SATA and MSATA, HDD or SSD (optional)   |
|                          | NETWORK                     | 2*RTL8111E RJ45 1000M LAN   |
|                          | I/O INTERFACE               | 5*RS-232, 1*RS422/485, 2*DB9 RS-232 3* 3pin RS-232<br>2*USB2.0, 2*USB3.0,<br>1*14BIT GPIO Connector,<br>1*LINE OUT 1*MIC,<br>2*Wifi Antenna port<br>1*POWER ON/OFF switch<br>1*VGA Maximum resolution 2048x1536 1*HDMI Maximum 3200*2000@60HZ |
|                          | EXPANSION BUS               | 1* full size Mini PCIE slot   |
|                          | WATCHDOG                    | 0-255 second, Sample code optional  |
| Physical characteristics | Size(mm)                    | 290*221*53.8mm  |
|                          | Weight(kgs)                 | 2.43kg  |
| O/S SUPPORT              | Operation System            | Support Windows 7/Windows8/Windows8.1/Windows10/Linux/Android   |
| POWER SUPPLY             | INPUT                       | Single input DC12V 5A +/-5%   |
|                          | Power Consumption           | 20W   |
| LED DISPLAY              | DISPLAY TYPE                | 10inch TFT LED  |
|                          | Maximun Resolutions         | 800*600   |
|                          | View                        | 80 (LEFT), 80 (RIGHT), 70 (UP), 70 (DOWN)   |
|                          | Lumens (cd/m <sup>2</sup> ) | 350cd/m <sup>2</sup>  |
|                          | Contrast                    | 400:1   |
|                          | Backlight Life              | 30,000 hrs (Min.)   |
| TOUCH PANEL              | TYPE                        | 4 Wires Resistive touch panel   |
|                          | Light Transmittance         | ≥85%  |
|                          | Controller Interface        | USB port  |
|                          | Durability(Touch Times)     | 大于 3500 万次  |
| ENVIRONMENT              | Working Temperature         | -20℃ ~ +60℃   |
|                          | Storage Temperature         | -40℃ ~ +85℃   |
|                          | Relative humidity           | 0% ~ 90%Relative humidity, none condensation  |

|  |                        |                       |
|--|------------------------|-----------------------|
|  | EMC                    | CE, FCC Class B, BSMI |
|  | CERTIFICATE            | CB, CCC, BSMI, UL     |
|  | Front panel protection | IP65                  |



| Ordering Information |  | Panel I/O |
|----------------------|--|-----------|
| Model                | Specifications   |           |
| PPC-HU10A            | With HU803 mainboard<br>(I3-4010U/I5-4200U/I7-4500U)   |           |
| PPC-BT10A            | With BT203 mainboard<br>(J1900/J1800/N2900/N2806)      |           |
| PPC-BU10A            | With BU90Z3A mainboard<br>(I3-5010U/I5-5200U/I7-5500U) |           |