



## FEATURES

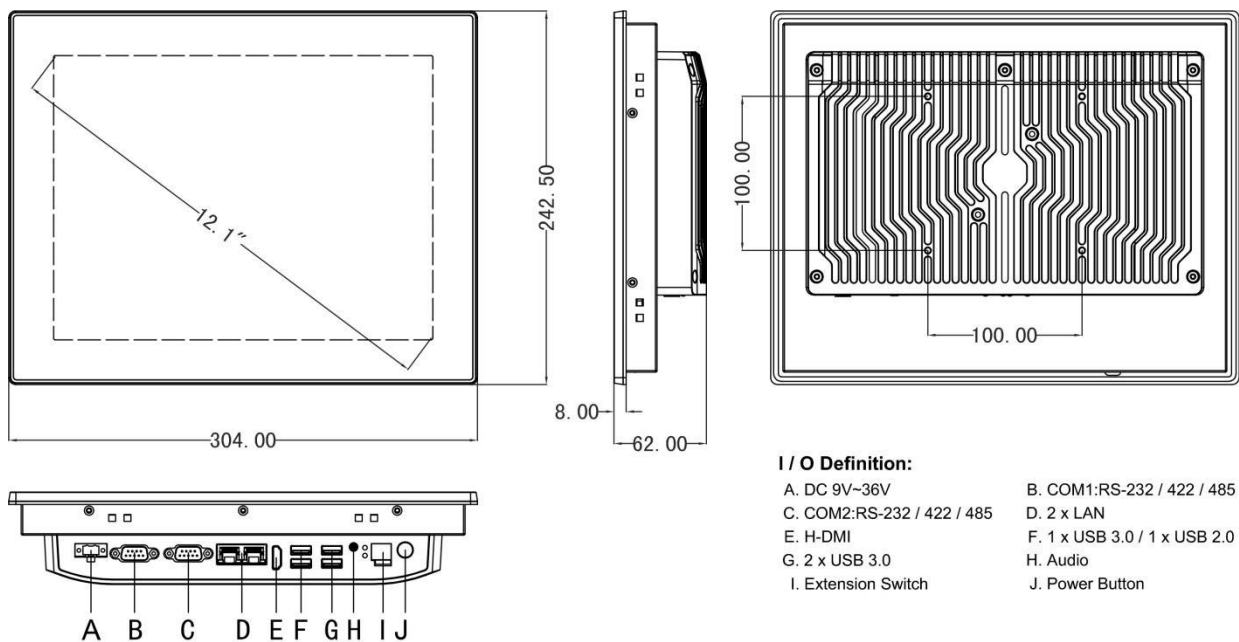
- 12" TFT LED with PCAP Touch / Resistive Touch
- CPU: Intel 8th Gen i3 8145U / i5 8265U / i7 8565U. (Optional)
- 1x DDR4L 2400MHz 4GB, Up to 64GB
- 2xLAN, 2xRS232/422/485, 8KV Static Electricity & 600W TVS Surge Protection
- Built-in TPM2.0 for Hardware-based Security
- Wide voltage DC 9V~36V, Overcurrent, Overvoltage & Reverse Connection Protection
- -20°C ~ 70°C extended operating temperature
- IP66 Compliant Front Panel

## SPECIFICATIONS

| System              |                                                       | Touch screen          |                                                            |
|---------------------|-------------------------------------------------------|-----------------------|------------------------------------------------------------|
| CPU                 | Intel Core i3-8145U / i5-8365U / i7-8565U             | Touch Screen Type     | Capacitive / Resistive Touch                               |
| L2 Cache            | 4MB / 6MB / 8MB                                       | Transmittance         | >90%                                                       |
| Memory              | DDR4L 2400MHz 4GB, Up to 64GB                         | Response Time         | <5ms                                                       |
| Harddisk            | 1 x mSATA 64G SSD / (120G / 250G / 500G SSD) Optional | Surface Hardness      | ≥7H                                                        |
| Graphics            | Intel HD Graphics 620                                 | Supply Voltage        | 5.0V DC                                                    |
| Network             | Intel® I211-AT GbE LAN                                | Touch Life            | ≥ 3000W                                                    |
| Audio               | Realtek ACL662 Audio controller                       | Institutional         |                                                            |
| TPM                 | TPM 2.0                                               | Material              | High-strength Al-alloy, support IP66                       |
| Operation System    | Windows 10 / 11 / Linux, Ubuntu, Debian               | Color                 | Gray                                                       |
| I / O               |                                                       | VESA Mounting         | VESA: 100 x 100 mm                                         |
| HDMI                | 1 x H-DMI                                             | Waterproof Rate       | IP65 / IP66                                                |
| LAN                 | 2 x LAN                                               | Product Dimension     | 304 x 243 x 62 mm                                          |
| USB                 | 3 x USB 3.0 / 1 x USB 2.0                             | Cut-out Size          | 290 x 229 mm                                               |
| COM                 | 2 x RS-232 / 422 / 485                                | Packing Size          | 450 x 170 x 350 mm                                         |
| Audio               | 1x Audio_out & Mic_in                                 | Gross Weight          | 5 KG                                                       |
| Wireless Network    | WiFi / Bluetooth ( 4G / 5G Optional )                 | Power and Environment |                                                            |
| Other I/O Interface | 1 x Power Switch                                      | Operating Temperature | -20~70°C                                                   |
| LCD Panel           |                                                       | Storage Temperature   | -30~80°C(-22~176°F)                                        |
| Panel Size          | 12" LED                                               | Relative Humidity     | 5%~95%@40°C, non-condensing                                |
| Resolution          | 1024 x 768                                            | Vibration Range       | 5-500 Hz, 0.026 G2/Hz, 2.16 Grms, X, Y, Z, 1 hour per axis |
| Aspect Ratio        | 4:3                                                   |                       |                                                            |
| Display Brightness  | 400 cd/m2                                             | External Power Supply | AC 100 - 240V~50/60Hz, 1.5A                                |
| Contrast Ratio      | 800:1                                                 | Working Voltage       | DC IN 9V~36V                                               |
| Viewing Angle       | 80 / 80 / 65 / 75 (CR≥10) ( L / R / U / D )           | Power Consumption     | ≤45W                                                       |



## Dimension &amp; I/O



Panel Cutout Dimensions: 290 x 229 mm (11.42 x 9.0 in )

## ORDERING INFORMATION

## PACKING LIST

1x PPC-5012SAC Series Industrial Panel PC  
 1x Utility DVD Driver  
 8x Embedded Buckles  
 1x Power Adaptor

## AVAILABLE MODELS

| Display Size | Resolution       | Format | Brightness(cd/m2)     | Viewing Angle | LCD Color  | Backlight MTBF  |
|--------------|------------------|--------|-----------------------|---------------|------------|-----------------|
| 10.1"        | 1280 x 800       | 16:10  | 400 cd/m <sup>2</sup> | 85/85/85/85   | 262K/16.2M | 30000 Hr (min.) |
| 10.4"        | 800x600/1024x768 | 4:3    | 350 cd/m <sup>2</sup> | 80/80/65/75   | 262K/16.2M | 30000 Hr (min.) |
| 12.1"        | 800x600/1024x768 | 4:3    | 400 cd/m <sup>2</sup> | 80/80/65/75   | 262K/16.7M | 30000 Hr (min.) |
| 12.1"        | 1280x800         | 16:10  | 600 cd/m <sup>2</sup> | 88/88/88/88   | 262K/16.7M | 50000 Hr (min.) |
| 13.3"        | 1920x1080        | 16:9   | 400cd/m <sup>2</sup>  | 85/85/85/85   | 262K/16.7M | 50000 Hr (min.) |
| 15"          | 1024x768         | 4:3    | 350cd/m <sup>2</sup>  | 89/89/89/89   | 262K/16.2M | 50000 Hr (min.) |
| 15.6"        | 1920x1080        | 16:9   | 600cd/m <sup>2</sup>  | 89/89/89/89   | 262K/16.2M | 50000 Hr (min.) |
| 17"          | 1280x1024        | 5:4    | 400cd/m <sup>2</sup>  | 80/80/70/70   | 262K/16.7M | 50000 Hr (min.) |
| 17.3"        | 1920x1080        | 16:9   | 400cd/m <sup>2</sup>  | 80/80/60/80   | 262K/16.7M | 50000 Hr (min.) |
| 19"          | 1280x1024        | 5:4    | 450cd/m <sup>2</sup>  | 85/85/80/80   | 262K/16.7M | 50000 Hr (min.) |
| 21.5"        | 1920x1080        | 16:9   | 400d/m <sup>2</sup>   | 89/89/89/89   | 262K/16.7M | 50000 Hr (min.) |
| 24"          | 1920x1080        | 16:9   | 350cd/m <sup>2</sup>  | 89/89/89/89   | 262K/16.7M | 50000 Hr (min.) |

