



Features

- Industrial-grade 15.6" FHD LCD panel with 50k backlight lifetime
- Optical bonding PCAP multipoint touch screen
- IP66 grade stainless steel SUS304 front panel
- Intel® Alder Lake-N N97 Quad-core 2.0GHz processor
- 1 x DDR5 SDRAM, max.32GB, 1 x M.2 2280 NVMe or SATA SSD
- 3 x Intel® 226-V 2.5GbE Ethernet, support WoL and PXE
- 2 x RS232/422/485, RS485 support automatic flow control
- Support TPM2.0 hardware security
- Supports embedded / VESA 100mm x 100mm mounting holes
- 9V to 36V DC Wide Range Power Input, Supporting OVP / OCP / RPP

Specifications

| System | |
|---------------------------------|---|
| CPU | Intel® Alder Lake-N N97 Quad-core 2.0GHz , TDP 12W |
| L2 Cache | 2.0 MB |
| System Chipset | Integrated with Intel® SoC |
| Memory | 1 x DDR5L 4800MHz 8GB, MAX 32GB |
| Harddisk | 1 x M.2 120G SSD (250G / 500G / 2TB SSD) / 1 x 2.5" SATA |
| Graphics | Intel® UHD Graphics |
| Network | Intel® 226-V GbE LAN |
| Audio | Realtek ACL897 Audio controller |
| TPM | TPM 2.0 |
| Watchdog Timer | Software Programmable Supports 1~255 sec. System Reset |
| Operation System | Windows 10 / 11, Linux, Ubuntu |
| I/O | |
| VIDEO | 1 x H-DMI |
| Ethernet | 3 x LAN (10/100/1000/2500 Mbps) |
| USB | 4 x USB 3.0 |
| COM | 2 x RS-232 / 422 / 485 (Adjustable through BIOS) |
| Audio | 1x Audio_out & Mic_in |
| Wireless Network | Optional (WiFi / Bluetooth / 4G / 5G) |
| Expansion | |
| M.2 | 1*M.2 (Key-E, 2230, PCIe+USB, Wifi+BT) |
| | 1*M.2 (Key-B, 3042/3052, PCIe/ USB 3.0+USB2.0, 4G/5G) |
| | 1*M.2 (Key-M, 2280, SATA / SSD) |
| SIM Socket | 1x SIM Socket |
| Display | |
| LCD Size | 15.6" (16:9) |
| Resolution | 1920 x 1080 (FHD) |
| Brightness (cd/m ²) | 450 cd/m ² |
| Contrast Ratio | 1000:1 |
| Backlight MTBF | 50000 hrs |
| Viewing Angle | 89 / 89 / 89 / 89 (CR≥10) (L / R / U / D) |
| Touch screen | |
| Touch Type | Optical bonding PCAP Touch |
| Surface Hardness | ≥7H |

| Power | |
|-----------------------|---|
| Power Adapter | 1 x Optional AC/DC 12V/5A , 60W |
| Power Mode | Support AT, ATX Mode |
| Power Input | 2-Pin Terminal Block Connector with Power Input 9~36VDC |
| Power Protection | OVP (Over Voltage Protection) OCP (Over Current Protection) RPP (Reverse Polarity Protection) |
| Power Consumption | ≤35W |
| Physical | |
| Material | SUS 304 Panel + SECC |
| Mounting | Stand / Wall / VESA / Panel |
| Dimension (W x H x D) | 400 x 250 x 60 mm |
| Cut-out Size | 386 x 236 mm |
| Packing Size | 460 x 180 x 400 mm |
| Weight (Net) | 4.6 kg |
| Environment | |
| Operating Temperature | -20~70°C (-4~158°F) |
| Storage Temperature | -30~80°C (-22~176°F) |
| Relative Humidity | 5%~95%@40°C, non-condensing |
| Vibration Protection | 1.5 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis |
| IP Level | Front Panel IP66 |
| EMC | CE, FCC, UL, KC, Class A, ROHS , IEC / EN 62368-1 |

Dimension & I/O

The technical drawings include a front view showing a 15.6" FHD display area within a 400.00 mm wide and 250.00 mm high panel. A side view shows a thickness of 60.00 mm with a mounting flange of 8.00 mm. A cutout view shows a 386 mm x 236 mm opening with a 100.00 mm wide internal section. A bottom view shows I/O ports labeled A through J.

I / O Definition:

- A: DC 9V~36V
- B: COM1:RS-232 / 422 / 485
- C: COM2:RS-232 / 422 / 485
- D: 2 x LAN
- E: H-DMI
- F: 2 x USB 3.0
- G: 1 x LAN
- H: 2 x USB 3.0
- I: Audio
- J: Power Button

Panel Cutout Dimensions: 386 x 236 mm (15.20 x 9.29 in)

Ordering info

| Available models | Description |
|------------------|---|
| PPC-C156WCC | 15.6" Fanless Industrial Panel PC Intel® Elkhart Lake Celeron J6412 2.0GHz Processor With Capcice touch |
| PPC-X156WCC | 15.6" Fanless Industrial Panel PC Intel® Elkhart Lake Atom X6425E 2.0GHz Processor With Capcice touch |
| PPC-N156WCC | 15.6" Fanless Industrial Panel PC Intel® Alder Lake-N N97 2.0GHz Processor With Capcice touch |

Packing list

| |
|-----------------------------|
| 1 x Standard product |
| 1 x 60W PSU (Power Supply) |
| 1 x Power cable & plug |
| 8 x Panel mount metal clips |