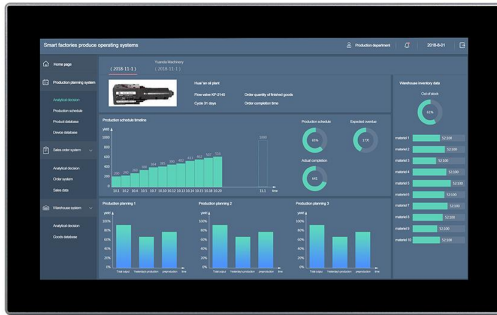




## Features

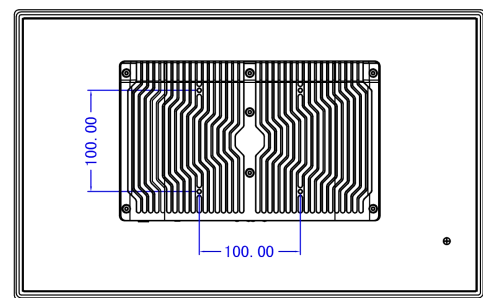
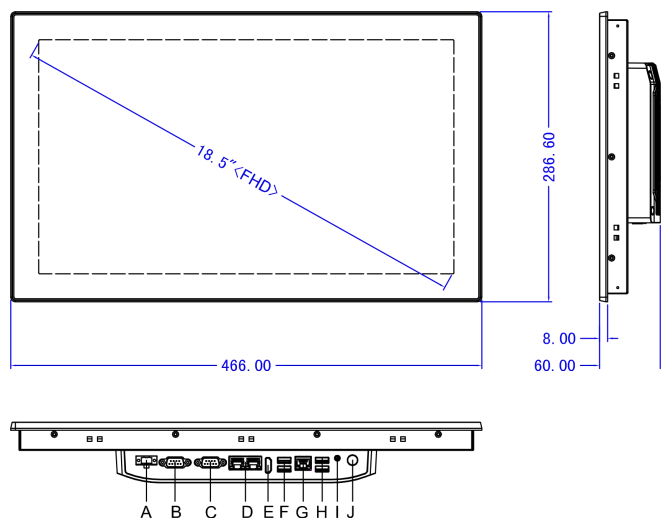
- Industrial-grade 18.5" FHD LCD panel with 50k backlight lifetime
- True-flat touchscreen with multi-touch projected capacitive control
- IP66 grade aluminum alloy front panel
- Intel® Celeron® J6412 quad-core 2.0 GHz processor
- 1 x DDR4 SDRAM, max.32GB, 1 x M.2 2280 / 1 x 2.5" SATA SSD
- 3 x Intel® 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® Elkhart Lake Celeron J6412 Quad-core 2.0GHz , TDP 10W |
| L2 Cache           | 1.5MB                                                        |
| System Chipset     | Integrated with Intel® SoC                                   |
| Memory             | 1 x DDR4L 3200MHz 4GB, MAX 32GB                              |
| Harddisk           | 1 x M.2 120G SSD ( 250G / 500G / 2TB SSD) / 1 x 2.5" SATA    |
| Graphics           | Intel® UHD Graphics for 10th Gen Intel® Processors           |
| 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           | 18.5" ( 16:9 )                                               |
| Resolution         | 1920 x 1080 ( FHD )                                          |
| Brightness (cd/m²) | 350 cd/m²                                                    |
| Contrast Ratio     | 1200:1                                                       |
| Backlight MTBF     | 50000 hrs                                                    |
| Viewing Angle      | 85 / 85 / 85 / 85 (CR≥10) ( L / R / U / D )                  |
| Touch screen       |                                                              |
| Touch Type         | 10 point PCAP                                                |
| 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              | Aluminum alloy panel, anodized treatment                                                          |
| Mounting              | Stand / Wall / VESA / Panel                                                                       |
| Dimension (W x H x D) | 466 x 287 x 60 mm                                                                                 |
| Cut-out Size          | 452 x 273 mm                                                                                      |
| Packing Size          | 500 x 180 x 450 mm                                                                                |
| Weight (Net)          | 4.9 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



### 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: 452 x 273 mm (17.80 x 10.75 in )**

## Ordering info

| Available models | Description                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------|
| PPC-C185WAC      | 18.5" Fanless Industrial Panel PC Intel® Elkhart Lake Celeron J6412 2.0GHz Processor With Capcice touch |
| PPC-X185WAC      | 18.5" Fanless Industrial Panel PC Intel® Elkhart Lake Atom X6425E 2.0GHz Processor With Capcice touch   |

## Packing list

|                              |
|------------------------------|
| 1 x Standard product         |
| 1 x Utility DVD Driver       |
| 1 x 60W PSU (Power Supply)   |
| 1 x Power cable & plug       |
| 10 x Panel mount metal clips |