

# PCLOG 18W QC fanless

3mm slim bezel design, optimized for embedded installation, with a front panel rated IP65 for dust and water resistance.

CE / RoHS / FCC / UL certificated.

2.5G Lan support EtherCat.

## Features

- 3mm Super Thin Front Bezel, Best for Embedded Cabinet.
- Supports wide temperature and wide voltage operation.
- Self-developed X86 architecture industrial motherboard
- Intel Celeron J6412 quad-core 2.0GHz processor
- Compatible with Windows/Ubuntu/Kylin/UOS and other systems
- Compliant with EMC electromagnetic interference standards



## Model

|                  |                      |
|------------------|----------------------|
| Product size     | 18.5"                |
| Non-touch        | -----                |
| Capacitive touch | PCLOG 18W QC fanless |
| Resistive touch  | -----                |

## I/O Interface



## Specification

### Screen Parameter

|                                |                       |  |  |
|--------------------------------|-----------------------|--|--|
| Display type                   | 18.5" TFT LCD screen  |  |  |
| MAX resolution                 | 1920*1080 (16:9)      |  |  |
| Viewing angle(H/V)             | 89/89/89/89 (L/R/U/D) |  |  |
| Luminance (cd/m <sup>2</sup> ) | 270 cd/m <sup>2</sup> |  |  |
| Contrast ratio                 | 1000:1                |  |  |

### Touch Parameter

|                    |                                                  |                              |           |
|--------------------|--------------------------------------------------|------------------------------|-----------|
| Touchscreen        | Projection capacitive touch 10-point multi touch | Resistive touch single point | Non-touch |
| Light transmission | ≥88%                                             | ≥78%                         | ≥92%      |
| Controller         | USB ( COM customized)                            | USB ( COM customized)        | /         |

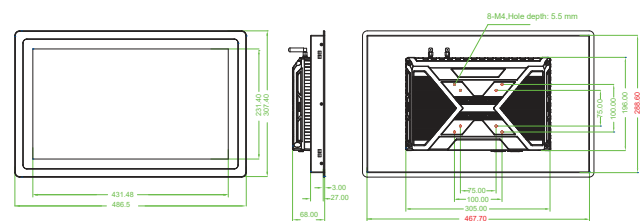
### Power Parameter

|               |            |
|---------------|------------|
| Power input   | DC 12V-36V |
| Power adapter | 24V/2.5A   |

### Configuration

|                  |                                                             |                     |                       |
|------------------|-------------------------------------------------------------|---------------------|-----------------------|
| CPU              | Intel Celeron J6412, Frequency 2.00GHz (Maximum RF: 2.6GHz) | Wi-Fi               | Dual Band 2.4GHz+5GHz |
| Memory/RAM       | 8GB (Supports up to 32GB)                                   | Bluetooth           | BT5.0                 |
| Storage          | 128GB SSD (Optional: 256GB/512GB/1TB/2TB/4TB, etc.)         | Watchdog Timer      | Support               |
| GPU              | Intel UHD Graphics 16 EUs                                   | RTC real time clock | Support               |
| Operating system | WIN10/11, Ubuntu/Centos/Redhat/Debian/almaLinux/Kylin/UOS   | Timer switch        | Support               |

## Dimension



## Physical Characteristic

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| Overall dimensions | W486.5x H307.4x D68mm                                                                                        |
| Installation size  | W469.7 x H290.6mm                                                                                            |
| Material           | Aluminum alloy                                                                                               |
| Color              | Black, optional silve                                                                                        |
| Installation       | Supports Panel-mount/Wall-embedded/Wall-mounted/Desktop/Folding mounting/VESA mount/Suspended mounting, etc. |

## Interface Parameter

|                  |                                                                      |
|------------------|----------------------------------------------------------------------|
| PowerSW          | 1*PowerSW                                                            |
| Power interface  | 1*2P Phoenix Terminal (Supports 12-36V)                              |
| Phoenix terminal | 1*12P Phoenix Terminal (232*1/485*1/NC*6 with 6P interface reserved) |
| USB              | 4*USB (2*USB2.0, 2*USB3.0)                                           |
| CLEAR CMOS       | 1*CLEAR CMOS DIP Switch                                              |
| AT-ATX           | 1*AT-ATX DIP Switch                                                  |
| HDMI             | 1*HDMI output, up to 4K                                              |
| Ethernet         | 2*LAN: 1x2.5G, 1x 10M/100M/1000M adaptive Ethernet                   |
| Audio            | 1*Audio I/O, Support audio input and output                          |
| Serial port      | 2*COM (The default is RS232, optional RS485/RS422)                   |
| Wi-Fi antenna    | 2*Wi-Fi antenna                                                      |
| Speaker          | 2*(8Ω2W)                                                             |
| Grounding        | 1*GND                                                                |

## Reliability Parameter

|                       |                                           |
|-----------------------|-------------------------------------------|
| Operating temperature | -10°C~60°C (-20°C~70°C can be customized) |
| Storage temperature   | -20°C~70°C                                |
| Relative humidity     | 95% non-condensing                        |