

# PPC2-C121-ADLP

12.1" Fanless Panel PC with Intel® Alder Lake P Processor



## Features

- » 12th Gen Intel® Core™ Mobile i7/i5/i3 Processors
- » PCAP with USB interface (anti-UV/AG coating)
- » Dual M.2 (M.2 M Key) support
- » Newly Designed Panel Mount Kit
- » Support Gloved and Wet Hand Operation

## Specifications

| System                          |  |
|---------------------------------|--|
| CPU                             | 12th Generation Intel® Alder Lake-P Core™ i7/i5/i3 Processor   |
| Memory Ext.                     | Dual channel On board LPDDR4x 8G   |
| I/O Interface                   |  |
| Ethernet                        | LAN1: Intel® I225V 2.5GbE controller<br>LAN2: Intel® I225-LM 2.5GbE controller (Intel AMT)                       |
| Expansion                       | 1 x M.2 M key 2242 (PCIe Gen4 x4)<br>1 x M.2 M key 2280 (PCIe Gen4 x4)<br>1 x M.2 E key 2230 (PCIe + USB signal) |
| Audio Codec                     | Realtek ALC888S  |
| Power                           |  |
| Input                           | 12V DC   |
| Power adapter                   | 84W Power adapter  |
| Environment                     |  |
| Operating Temperature           | -10°C ~ 50°C   |
| Safety & EMC                    | CE/EMC, FCC, UKCA  |
| Humidity                        | 10% ~ 95%@40°C, non-condensing   |
| Storage Temperature             | -20°C ~ 70°C   |
| IP Level                        | Front panel IP65   |
| Physical Characteristics        |  |
| Color                           | Black  |
| Mounting                        | VESA 100, Panel, Wall, Rack, Stand and Arm   |
| Construction                    | Aluminum die casting + SECC  |
| LCD                             |  |
| Size                            | 12.1" (4:3)  |
| Resolution                      | 1024 (W) x 768 (H)   |
| Brightness (cd/m <sup>2</sup> ) | 500 cd/m <sup>2</sup>  |
| Contrast Ratio                  | 700:1  |
| LCD Color                       | 16.2M  |
| Pixel Pitch (mm)                | 0.24 x 0.24  |
| Viewing Angle (H-V)             | 160°/140°  |
| Backlight MTBF                  | 50,000 hours   |
| Touch                           |  |
| Touch Screen                    | PCAP with USB interface (anti-UV/AG coating)   |
| Touch Controller                | EETI EXC 81 Series   |

| Other Features |                                  |
|----------------|----------------------------------|
| System Cooling | Fanless                          |
| TPM            | Intel® Platform Trust Technology |
| I/O Interface  |                                  |
| I/O Interface  | 1 x AT/ATX switch                |
|                | 1 x DC Input Jack (12V)          |
|                | 1 x HDMI™                        |
|                | 2 x LAN (2.5GbE)                 |
|                | 1 x Reset Button                 |
|                | 2 x RS-232 (by DB9)              |
|                | 2 x RS-232/422/485 (by DB9)      |
|                | 1 x USB 2.0                      |
|                | 2 x USB 3.2 Gen1x1               |
|                | 2 x USB 3.2 Gen2                 |
| OS Support     |                                  |
| OS Support     | Windows10/11 IoT, Linux          |

## Ordering Information

|                          |  |
|--------------------------|--|
| PPC2-C121-ADLP-i7/8G-R10 | 12.1" 500cd/m <sup>2</sup> 1024x768 Fanless Panel PC with 12th Generation Intel® Core™ i7-1260P Processor,8GB LPDDR4 on-board, PCAP touch,12V DC,R10                   |
| PPC2-C121-ADLP-i5/8G-R10 | 12.1" 500cd/m <sup>2</sup> 1024x768 Fanless Panel PC with 12th Generation Intel® Core™ i5-1240P Processor,8GB LPDDR4 on-board, PCAP touch,12V DC,R10                   |
| PPC2-C121-ADLP-i3/8G-R10 | 12.1" 500cd/m <sup>2</sup> 1024x768 Fanless Panel PC with 12th Generation Intel® Core™ i3-1220P on-board Processor,TDP 28W,8GB LPDDR4x on-board, PCAP touch,12V DC,R10 |

## Packing List

|                    |                     |
|--------------------|---------------------|
| 1 x PPC2-C121-ADLP | 1 x Power Cord      |
| 1 x Power Adapter  | 1 x Panel Mount Kit |
| 1 x QIG            | 1 x Screw Pack      |