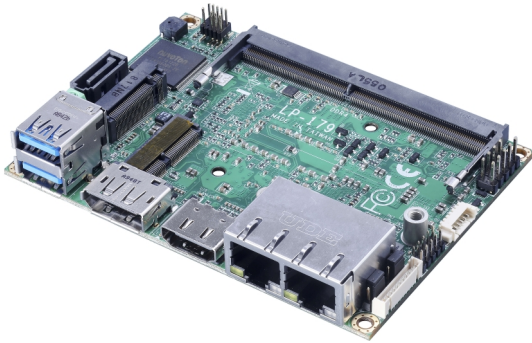


LP-179



Features

- Onboard Intel® Tiger Lake UP3 Processor
- 1 x DDR4 SO-DIMM 3200 MHz up to 32GB
- Integrated DisplayPort, HDMI,
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® 2.5 Gigabit LAN
- 1 x M.2 2230 Key E
- 1 x M.2 2280 Key M support PCIe Gen4
- 1 x SATA3, 2 x USB2.0, 2 x USB3.2 Gen2, 2 x RS232,
- Support Watchdog Timer
- Support 4K resolution
- DC input 12V ±5%

System

| | |
|------------------------|--|
| Processor | Intel® Tiger Lake UP3 Processor FCBGA1449 package |
| Memory | 1 x DDR4 SO-DIMM 3200 MHz up to 32GB, Support Non-ECC, unbuffered memory |
| Watchdog Timer | Generates a system reset with internal timer for 1 min/s ~ 255 min/s |
| Real Time Clock | Chipset integrated RTC with lithium battery |
| Expansion | 1 x M.2 2230 (Key E) for Wi-Fi and Bluetooth 1 x M.2 2280 (Key M) support PCIe Gen4 |

Graphics

| | |
|--------------------------|----------------------------|
| Processor | Intel® Iris® Xe Graphics |
| Display Interface | 1 x DisplayPort, 1 x HDMI, |

LAN

| | |
|-------------|---|
| Chip | 1 x Intel® I219-LM Gigabit PHY LAN 1 x Intel® I225-LM Gigabit LAN (up to 2.5GbE) |
|-------------|---|

I/O

| | |
|---------------------|---|
| Serial ATA | 1 x SATA3 |
| Audio | Realtek ALC262 HD Audio |
| Internal I/O | 1 x SATA3, 2 x USB2.0, 1 x RJ45 LED Connector 2 x RS232, 1 x Audio, 1 x SMBus, 1 x Header for LVDS or VGA (Note1) |
| Rear I/O | 1 x DisplayPort, 1 x HDMI, 2 x LAN 2 x USB3.2 Gen2, |

Mechanical & Environmental

| | |
|--------------------------|--|
| Power Requirement | DC input 12V±5% |
| Size | 100 mm x 72mm (L x W) |
| Temperature | Operating within 0°C~60°C (32°F~140°F) Storage within -20°C~80°C (-4°F~176°F) |
| Relative Humidity | 10%~90%, non-condensing |

Ordering Code

| | |
|-------------------|--|
| LP-1797: | With i7-1185G7E + Cooler fan, support HDMI, DP , Header for LVDS or VGA (Note1) |
| LP-179C: | With Celeron® 6305E + Cooler fan, support HDMI, DP, Header for LVDS or VGA (Note1) |
| ADP-3355: | DisplayPort to VGA module |
| ADP-3460E: | DisplayPort to LVDS module for LP-179. |

Note1: Add ADP-3355 supports VGA or Add ADP-3460E supports LVDS.

Note2: If you want to use other TGL UP3 CPU(i7-1185GRE, i5-1145GRE, i5-1145G7E, i3-1115GRE, i3-1115G4E), please contact with our sales.

Note3: If you want to use more LVDS or VGA, please contact with our sales.