



Features

- Onboard Intel® Alder Lake U Processor
- 1 x DDR5 SO-DIMM 4800 MHz up to 32GB
- Integrated HDMI, Type-C (DP Alt.Mode)
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® 2.5 Gigabit LAN
- 1 x M.2 (Key E 2230)
- 1 x M.2 (Key M 2280) support PCIe Gen4 for NVMe or SATA
- 1 x SATA3, 2 x USB2.0, 2 x USB3.2 Gen2
- 1 x RS232/ RS422/ RS485, 1 x GPIO
- Support Watchdog Timer
- Support 4K resolution
- DC input 12V ±5%

System

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|-----------------|--|
| Processor | Intel® Alder Lake U Processor FCBGA1744 package |
| Memory | 1 x DDR5 SO-DIMM 4800 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 or SATA |

Graphics

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|-------------------|-------------------------------------|
| Processor | Intel® UHD Graphics |
| Display Interface | 1 x Type-C (DP Alt. Mode) 1 x HDMI, |

LAN

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|------|---|
| Chip | 1 x Intel® I219-LM Gigabit PHY LAN (supports Intel® AMT 16) 1 x Intel® I226-LM Gigabit LAN (up to 2.5GbE) |
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I/O

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|--------------|--|
| Serial ATA | 1 x SATA3 |
| Audio | Realtek ALC888S HD Audio 1 x SATA3, 2 x USB2.0, 1 x Audio, 1 x GPIO |
| Internal I/O | 1 x RS232/ RS422/ RS485, 1 x Header for LVDS (Note1) |
| Rear I/O | 1 x Type-C (DP Alt.Mode), 1 x HDMI, 2 x LAN, 2 x USB3.2 Gen2, |

Mechanical & Environmental

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|-------------------|--|
| 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

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|--------------|--|
| LP-17A7: | With i7-1265UE + Cooler fan, support HDMI, Type-C (DP Alt. Mode) , Header for LVDS (Note1) |
| ADP-3355: | DisplayPort to VGA module (Note2) |
| ADP-3460SMB: | DisplayPort to LVDS module for LP-17A. |

Note1: Add ADP-3460SMB supports LVDS.

Note2: If you want to use VGA (ADP-3355), please contact with our sales for oem version.