

Intel® Alder Lake U Processor

LP-17A



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, 1 x USB3.2 Gen2
- 1 x RS232/ RS422/ RS485, 1 x GPIO
- Support Watchdog Timer
- Support 4K resolution
- DC input 12V ±5%

System

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

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

LAN

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

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

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-17A7:	With i7-1265UE + Cooler fan, support HDMI, Type-C (DP Alt. Mode) , Header for LVDS (Note1)	Art. N° 168483
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.