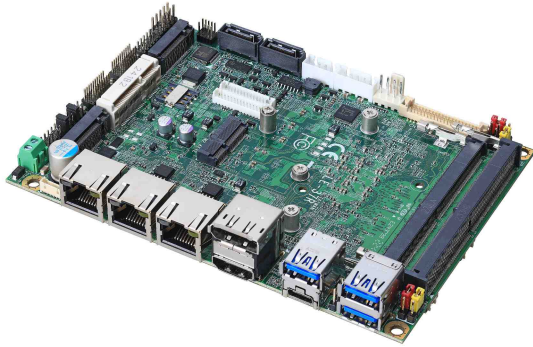


Intel® Alder Lake P Processor

LE-37R



Features

- Onboard Intel® Alder Lake P Processor
- 2 x DDR5 SO-DIMM up to 4800 MHz 64GB
- Integrated DisplayPort, HDMI, LVDS for four display support
- 1 x Intel® Gigabit PHY LAN, 2 x Intel® 2.5G Gigabit LAN
- 1 x MiniPCIe (support mSATA) with SIM Slot
- 2 x M.2 (Key M 2280) support PCIe Gen4 for NVMe
- 1 x M.2 (Key E 2230)
- 2 x SATA3, 2 x USB2.0, 3 x USB3.2 Gen2, 4 x COM, 1 x GPIO,
- Support Watchdog Timer
- Support 4K resolution
- DC input 9~35V

System

Processor	Intel® Alder Lake P Processor FCBGA1744 package
Memory	2 x DDR5 SO-DIMM up to 4800MHz 64GB, 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 MiniPCIe with SIM Slot (support mSATA) (Note3) 1 x M.2 (Key E 2230) for Wi-Fi and Bluetooth 2 x M.2 (Key M 2280) support PCIe Gen4 for NVMe

Graphics

Processor	Intel® Iris® Xe Graphics (i7, i5) Intel® UHD Graphics (i3, Celeron 7305E)
Display Interface	1 x LVDS (Note1), 1 x DisplayPort (Note2), 1 x HDMI, 2 x HDMI / DVI, 1 x Type-C (DP Alt. Mode)

LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN (supports Intel® AMT 16) 2 x Intel® I226-LM Gigabit LAN (up to 2.5GbE)
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Ordering Code

LE-37RP7:	With i7-1270PE + Cooler fan, support HDMI, LVDS, DP, Type-C (DP Alt. Mode), 2.5G LAN
LE-37RU7:	With i7-1265UE + Cooler fan, support HDMI, LVDS, DP, Type-C (DP Alt. Mode), 2.5G LAN

Note1: Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS.

Note2: Change pin header to support ADP-3355 or ADP-3460, please contact with our sales for OEM version.

Note3: SATA2 cannot use when Mini_card change to Msata

Note4: Intel Iris Xe Graphics has to install two memory cards.

I/O

Serial ATA	2 x SATA3 (Note3)
Audio	Realtek ALC888S HD Audio
Internal I/O	2 x SATA3, 2 x USB2.0, 2 x HDMI / DVI, 2 x RS232, 2 x RS232/485/422, 1 x SMBus 1 x LVDS, 1 x LCD inverter connector, 1 x GPIO, 1 x Audio, 1 x Audio Amplifier
Rear I/O	1 x DisplayPort (Note2), 1 x HDMI, 1 x Type-C (DP Alt. Mode), 3 x USB3.2 Gen2, 3 x LAN

Mechanical & Environmental

Power Requirement	DC input 9~35V
Size	146mm x 101mm (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