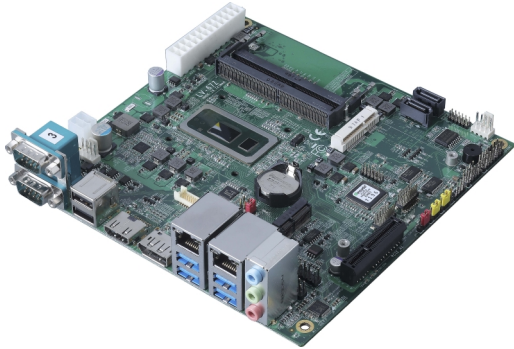


Intel® Whiskey Lake U Processor

LV-67Z



Features

- Onboard Intel® Whiskey Lake U Processor
- 2 x DDR4 SO-DIMM 2400 MHz up to 32GB
- Integrated DisplayPort, HDMI, LVDS for Triple display support
- 2 x Intel® Gigabit LAN,
- 1 x MiniPCIe support mSATA
- 2 x SATA3, 4 x USB2.0, 4 x USB3.1 Gen2, 6 x COM, 1 x LPC
- 1 x GPIO, 1 x PS/2, 1 x PCIe x4 Slot,
- Support Watchdog Timer
- Support 4K resolution

System

Processor	Intel® Whiskey Lake U Processor FCBGA1528 package
Memory	2 x DDR4 SO-DIMM 2400 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 onboard lithium battery
Expansion	1 x MiniPCIe (support mSATA) (Note1) 1 x M.2 (Key E) for Wi-Fi and Bluetooth 2230mm 1 x PCIe x4 Slot

Graphics

Chipset	Intel® Gen 9.5 integrated HD Graphics
Display Interface	1 x LVDS (Note2) , 1 x HDMI, 1 x DisplayPort

LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN (Support iAMT12.0) 1 x Intel® I210-AT Gigabit LAN
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I/O

Serial ATA	2 x SATA3 (Note1)
Audio	Realtek ALC262 HD Audio
Internal I/O	2 x SATA3, 4 x RS232, 2 x USB2.0, 1 x LPC 1 x GPIO , 1 x PS/2, 1 x SMBus, 1 x Audio, 1 x LVDS (Note2), 1 x LCD inverter
Rear I/O	4 x USB3.1 Gen2 , 2 x USB2.0, 2 x LAN, 2 x RS232/422/485, 1 x Audio 1 x HDMI, 1 x DisplayPort

Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power supply or 4-pin DC 9~36V
Size	170mm x 170mm (L x W)
Temperature	Operating within 0°C~60°C Storage within -20°C~80°C
Relative Humidity	10%~90%, non-condensing

Ordering Code

LV-67Z7:	With i7-8665UE + Cooler fan, support HDMI, DP, LVDS	Art. N° 161198
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Note1: mSATA and SATA3-2 can't not use at the same time

Note2: Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS

Note3: If you want to use other WHL U CPU(i5-8365UE,i3-8145UE,Celeron 4305UE), please contact with our sales.

Note4: The rear io can change to two HDMI or two DP version, please contact with our sales.