

LV-6716



Features

- Support Intel® Core™ Ultra Processor (MTL-H Platform)
- 2 x DDR5 SO-DIMM 5600 MHz up to 96GB
- Integrated DisplayPort ++, HDMI, LVDS for four display support
- 3 x Intel® 2.5 Gigabit LAN
- 1 x MiniPCIe support mSATA
- 2 x M.2 2280 Key M support PCIe Gen4 for NVMe
- 1 x M.2 2230 Key E for Wi-Fi and Bluetooth
- 2 x SATA3, 4 x USB2.0, 4 x USB3.2 Gen2, 6 x COM
- 1 x GPIO, 1 x PCIe x16 Slot (support Gen5 X8),
- Intel® Core™ Ultra processors feature 3D performance hybrid architecture
- Advanced Intel® AI Boost NPU for low-power AI acceleration and CPU/GPU off-load
- Standard 24-pin ATX power supply or DC input 9~35V

System

Processor	Intel® Core™ Ultra Processor (MTL-H Platform) FCBGA2049 package
Memory	2 x DDR5 SO-DIMM 5600 MHz up to 96GB, 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 SIM slot 2 x M.2 (Key M 2280) support PCIe Gen4 for NVMe 1 x M.2 2230 Key E for Wi-Fi and Bluetooth 1 x PCIe x16 Slot (support Gen5 X8)

Graphics

Chipset	Intel® Arc™ Graphics (Note4)
Display Interface	1 x LVDS (Note2) / eDP, 1 x HDMI, 1 x DisplayPort ++ 1 x HDMI / eDP (Note3)

LAN

Chip	1 x Intel® I226-LM Gigabit LAN (up to 2.5GbE) 2 x Intel® I226-V Gigabit LAN (up to 2.5GbE)
------	---

I/O

Serial ATA	2 x SATA3 (Note1)
Audio	Realtek ALC888S HD Audio
Internal I/O	2 x SATA3, 4 x RS232, 2 x USB2.0, 1 x GPIO , 1 x SMBus, 1 x Audio, 1 x LAN, 1 x LCD inverter, 1 x LVDS (Note2), 1 x eDP (Note3)
Rear I/O	4 x USB3.2 Gen2, 2 x USB2.0, 2 x LAN, 2 x RS232/422/485, 1 x Audio, 2 x HDMI, 1 x DisplayPort ++

Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power supply or DC input 9~35V
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-6716H7 With Ultra 7 165H + Cooler fan, support HDMI, LVDS, DP ++, 2.5G LAN

OEM

LV-6716H5 With Ultra 5 135H + Cooler fan, support HDMI, LVDS, DP ++, 2.5G LAN

Note1: mSATA and SATA2 can't use at the same time

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

Note3: HDMI(up) and eDP can't use at the same time

Note4: Intel® Arc™ Graphics has to install two memory cards.