

12th & 13th Gen Intel® Core™ H Processors

Features

- Support 12th & 13th Gen Intel® Core™ H Processors
- 2 x DDR5 SO-DIMM 4800 MHz up to 64GB
- Integrated DisplayPort, HDMI, LVDS for four display support
- 1 x Intel® Gigabit PHY LAN, 2 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 Gen4 X8),
- Support Watchdog Timer
- Standard 24-pin ATX power supply or DC input 9~35V

LV-6715



System

Processor	Support 12 th & 13 th Gen Intel® Core™ H Processors FCBGA1744 package
Memory	2 x DDR5 SO-DIMM 4800 MHz up to 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 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 Gen4 X8)

Graphics

Chipset	Intel® Iris® Xe Graphics (i7, i5) Intel® UHD Graphics (i3, Celeron 7305E)
Display Interface	1 x LVDS (Note2), 2 x HDMI, 2 x DisplayPort (Note3) 1 x DVI / HDMI

LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN (supports Intel® AMT 16.0) 2 x Intel® I226-LM Gigabit LAN (up to 2.5GbE)
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I/O

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

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-6715H7	With i7-12800HE + Cooler fan, support HDMI, LVDS, DP 2.5G LAN
LV-6715R7	With i7-13800HE + 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: Add ADP-3355 supports VGA or Add ADP-3460 supports 2nd LVDS, please contact with our sales for OEM version

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