

LV-6715 – Mini ITX Motherboard with Intel® Alder Lake H Core i7-12800HE or i7-13800HE Processor Onboard

This Intel® Alder Lake Mini-ITX Motherboard features two Core i7 processor options. With multiple M.2 slots for Wifi, Bluetooth, storage and expansion, this board is ideal for Automation, IoT, Surveillance, and other Industrial uses. Although this board has Intel's® IRIS® XE Graphics onboard with 2 x HDMI, 2 x DP, and 1 x HDMI/DVI or onboard LVDS, it also allows for a PCIe x16 slot for advanced graphics cards. There are two options for power - either standard 24-pin ATX or 4-pin DC 9~35V. Multiple USB, COM and 2 x LAN add to the many features of this unique 12th / 13th Gen Mini-ITX Motherboard.

SPECIFICATIONS

CPU	Intel® Core i7-13800HE, Intel® Core i7-12800HE
Memory Type	DDR5 SO-DIMM 4800MHz
Memory Slots	2
Maximum Memory Supported	64GB
Audio	Realtek ALC888S HD Audio
Integrated Graphics	Intel® Iris® Xe Graphics
Watchdog Timer	Generates a system reset with internal timer for 1 min/s ~ 255min/s
Serial ATA (SATA)	2 x SATA3 (mSATA and SATA3-2 can't be use at the same time)
Video	1 x LVDS, 1 x DVI/HDMI, 2 x HDMI, 2 x Display Port
TPM	Yes; fTPM
LAN Ports	1 x Intel® I219-LM Gigabit PHY LAN (supports Intel® AMT 16.0), 2x Intel® I226-LM Gigabit LAN (up to 2.5 GbE)

Internal I/O

PCIe x16 Slot (supports Gen4 X8)
2 x SATA3, 4 x RS232, 2 x USB2.0, 1 x GPIO, 1 x SMBus, 1 x Audio, 1 x LAN, 1 x LVDS, 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, 2 x HDMI, 2 x DisplayPort

Power Requirement

Standard 24-pin ATX power supply or 4-pin 9~35V

Dimensions

170 mm x 170 mm

Operating Temperature

0 ~ 60° C (32 ~ 140° F)

Storage Temperature

-20 ~ 80 °C (-4 ~ 176 °F)

Relative Humidity

10%~90%, non-condensing

OS Software Supported

Windows 10 Professional 64-bit, Windows 11

Global P/N / SKU

2809153

Ordering Options

LV-6715H7 – With Core i7-12800HE and Cooler Fan LV-6715R7 – With Core i7-13800HE and Cooler Fan Add ADP-3355 for VGA through the Display Port Add ADP-3460 for 2nd LVDS through the Display Port