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

This Intel® Alder Lake Mini-ITX Motherboard features the Core i7-12800HE processor. 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 Mini-ITX Motherboard.

SPECIFICATIONS

CPU	Intel® Core i7-12800HE
Memory Type	2 x DDR5 SO-DIMM 4800 MHz up to 64 GB, Support Non-ECC unbuffered memory
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 (mSATA and SATA2 can't be used at the same time), 1 x DVI/HDMI, 2 x HDMI, 2 x Display Port
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)
Extended Interface	1 x MiniPCIe (supports mSATA when SATA3-2 is not used), 2 x M.2 2280 M-Key (supports PCIe Gen4 for NVMe), 1 x M.2 2230 E-Key (for Wi-Fi and Bluetooth), 1 x PCIe x16 Slot (supports Gen4 X8)
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 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 64-bit
Global P/N / SKU	2809153

Ordering Options

LV-67157 – With Core i7-1270PE and Cooler Fan   Add ADP-3355 for VGA through the Display Port Add ADP-3460 for 2nd LVDS through the Display Port