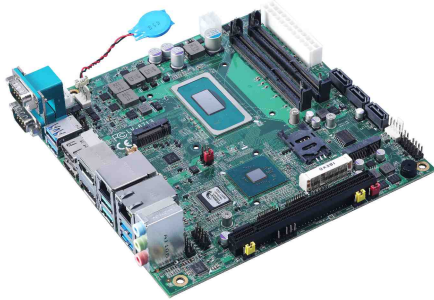


# LV-6713



## Features

- Onboard Tiger Lake /11<sup>th</sup> Gen H Processor
- 2 x DDR4 SO-DIMM 3200 MHz up to 64GB
- Integrated DisplayPort, HDMI, LVDS for four display support
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® 2.5 Gigabit LAN
- 3 x SATA3, 2 x USB2.0, 6 x COM, 1 x SIM Slot, 6 x USB3.2 Gen2
- 1 x MiniPCIe, support mSATA
- 1 x M.2 2230 Key E for Wi-Fi and Bluetooth
- 1 x M.2 2280 Key M support PCIe Gen4 for NVMe
- 1 x PCIe x16 Slot support PCIe Gen4
- Support Watchdog Timer, 4K resolution
- Standard 24-pin ATX power supply or 4-pin 9~35V

## System

Processor	Tiger Lake /11 <sup>th</sup> Gen H Processor FCBGA1787 package
Chipset	Intel® QM580E / RM590E (TGL-H Xeon CPUs have to use RM590E)
Memory	2 x DDR4 SO-DIMM 3200 MHz up to 64GB, Support Non-ECC, unbuffered memory only (TGL-H Xeon CPUs can support ECC 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 with SIM slot (support mSATA) 1 x M.2 2280 Key M support PCIe Gen4 for NVMe 1 x M.2 2230 Key E for Wi-Fi and Bluetooth 1 x PCIe X16 slot support PCIe Gen4

## Graphics

Chipset	Intel® 11th Gen integrated UHD Graphics
Display Interface	1 x LVDS (Note1), 2 x HDMI, 2 x DisplayPort (Note2)

## Ordering Code

LV-67137	With Core™ i7-11850HE, QM580E, Cooler Fan, HDMI, DP, LVDS
M2-3502	M2 2280 Key M support 2 x Gigabit LAN
M2-3504	M2 2280 Key M support 4 x Gigabit LAN

Note1: Onboard 18/24-bit single/dual channel +3.3V/ +5V/ +12V LVDS

Note2: Add ADP-3355 supports VGA or Add ADP-3460 supports 2nd LVDS, please contact with our sales for OEM version.

Note3: W-11865MRE, W-11555MRE, W-11155MRE can operate within -40°C~85°C

## OEM

LV-67135	With Core™ i5-11500HE, QM580E, Cooler Fan, HDMI, DP, LVDS
LV-67133	With Core™ i3-11100HE, QM580E, Cooler Fan, HDMI, DP, LVDS
LV-6713C	With Celeron® 6600HE, QM580E, Cooler Fan, HDMI, DP, LVDS
LV-6713W7R	With Xeon® W-11865MRE, RM590E, Cooler Fan, HDMI, DP, LVDS
LV-6713W7L	With Xeon® W-11865MLE, RM590E, Cooler Fan, HDMI, DP, LVDS
LV-6713W5R	With Xeon® W-11555MRE, RM590E, Cooler Fan, HDMI, DP, LVDS
LV-6713W5L	With Xeon® W-11555MLE, RM590E, Cooler Fan, HDMI, DP, LVDS
LV-6713W3R	With Xeon® W-11155MRE, RM590E, Cooler Fan, HDMI, DP, LVDS
LV-6713W3L	With Xeon® W-11155MLE, RM590E, Cooler Fan, HDMI, DP, LVDS
ADP-3355	DisplayPort to VGA module (For VGA)
ADP-3460	DisplayPort to LVDS module (For 2nd LVDS)

## LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN (Support iAMT15.0) 1 x Intel® I225-LM Gigabit LAN
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## I/O

Serial ATA	3 x SATA3
Audio	Realtek ALC888S HD Audio
Internal I/O	3 x SATA3, 4 x RS232, 2 x USB2.0, 1 x LVDS, 1 x LCD inverter connector , 1 x GPIO , 1 x Audio, 1 x SMBus
Rear I/O	2 x HDMI, 2 x DisplayPort, 1 x Audio 2 x LAN, 6 x USB3.2 Gen2 2 x RS232/RS422/RS485

## Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power supply, or 4-pin DC 9~35V
Size	170mm x 170mm (L x W)
Temperature	Operating within 0°C~60°C (32°F~140°F)(Note3) Storage within -20°C~80°C (-4°F~176°F)
Relative Humidity	10%-90%, non-condensing