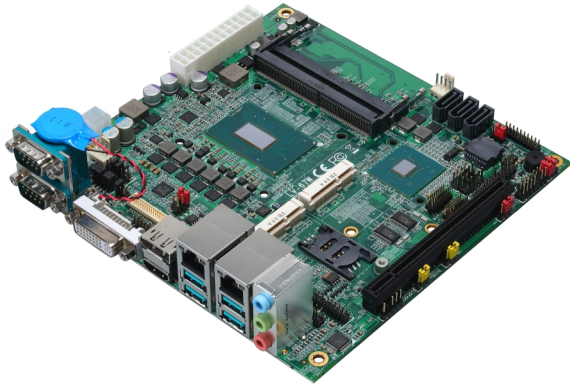


# Mini-ITX Mobile Motherboard

## 8th Generation Intel® Core™ Processors

### LV-67W



### Features

- Onboard Intel® 8th Gen Intel® Core™ H-series Processor
- 2 x DDR4 SO-DIMM 2666 MHz up to 32GB
- Integrated VGA, DVI, DisplayPort, HDMI, LVDS for Triple display support
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® Gigabit LAN,
- 2 x MiniPCIe
- 3 x SATA3, 4 x USB2.0, 6 x COM, 1 x LPC,
- 2 x 8 bit GPIO, 1 x SIM Slot, 1 x PS/2
- 6 x USB3.1 Gen2
- Support Watchdog Timer
- Support 4K resolution
- Standard 24-pin ATX power supply or 4-pin 9~35V

### System

<b>Processor</b>	Intel® 8th Gen Intel® Core™ H-series Processor FCBGA1440 package
<b>Chipset</b>	Intel® QM370
<b>Memory</b>	2 x DDR4 SO-DIMM 2666 MHz up to 32GB, Support Non-ECC, unbuffered memory
<b>Watchdog Timer</b>	Generates a system reset with internal timer for 1 min/s ~ 255 min/s
<b>Real Time Clock</b>	Chipset integrated RTC with lithium battery
<b>Expansion</b>	1 x MiniPCIe (support mSATA) 1 x MiniPCIe 1 x SIM slot 1 x PCIe X16 slot

### Graphics

<b>Processor</b>	Intel® UHD Graphics
<b>Display Interface</b>	1 x DVI, 1 x DisplayPort(optional), 1 x VGA, 1 x HDMI 1 x LVDS

### LAN

<b>Chip</b>	1 x Intel® I219-LM Gigabit PHY LAN (Support Intel® AMT 12) 1 x Intel® I210-AT Gigabit LAN
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### I/O

<b>Serial ATA</b>	3 x SATA3
<b>Audio</b>	Realtek ALC262 HD Audio
<b>Internal I/O</b>	3 x SATA3, 4 x RS232, 4 x USB2.0, 2 x USB3.1 Gen2, 1 x LVDS, 1 x LCD inverter, 1 x LPC, 2 x 8bit GPIO, 1 x Audio, 1 x PS/2, 1 x SMBus, 1 x VGA
<b>Rear I/O</b>	1 x DisplayPort(optional), 1 x DVI, 1 x HDMI, 4 x USB3.1 Gen2, 2 x LAN, 1 x RS232/422/485, 1 x RS232, 1 x Audio.

### Mechanical & Environmental

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

### Ordering Code

<b>LV-67W5:</b>	With i5-8400H, QM370 support HDMI, LVDS, VGA, DVI, DP	Art. No. 155940
<b>LV-67W7:</b>	With i7-8850H, QM370 support HDMI, LVDS, VGA, DVI, DP	Art. No. 156469
<b>LV-67WT5:</b>	With i5-8400H, QM370 support HDMI, LVDS, VGA, DVI, Header for 2 <sup>nd</sup> VGA or 2 <sup>nd</sup> LVDS (Note2)	Art. No. 156470
<b>LV-67WT7:</b>	With i7-8850H, QM370 support HDMI, LVDS, VGA, DVI, Header for 2 <sup>nd</sup> VGA or 2 <sup>nd</sup> LVDS (Note2)	Art. No. 156471
<b>ADP-3355:</b>	DisplayPort to VGA module (For 2 <sup>nd</sup> VGA)	
<b>ADP-3460:</b>	DisplayPort to LVDS module (For 2 <sup>nd</sup> LVDS)	

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

**Note2:** There are two modules ADP-3355,ADP-3460; you can choose one to support 2nd VGA or 2nd LVDS