

### LV-67R



### Features

- Onboard Intel® 6th / 7th Gen Intel® Core™ / Xeon® H-series Processor
- 2 x DDR4 SO-DIMM 2133 MHz up to 32GB
- Integrated VGA, DVI-I, DisplayPort, HDMI, LVDS for Triple display supports
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® Gigabit LAN
- 1 x MiniPCIe, 1 x Half Size MiniPCIe
- 3 x SATA3, 4 x USB2.0, 6 x USB3.0, 6 x COM, 1 x LPC, 1 x GPIO,
- 1 x SIM Slot, 1 x PS/2
- Support Watchdog Timer
- Support 4K resolution
- Standard 24-pin ATX power supply or 4-pin 6~30V

### System

<b>Processor</b>	Intel® 6th / 7th Gen Intel® Core™ / Xeon® H-series Processor , FCBGA1440 package
<b>Chipset</b>	Intel® QM170 / QM175 /CM238
<b>Memory</b>	2 x DDR4 SO-DIMM 2133 MHz up to 32GB, Support Non-ECC, unbuffered memory only <b>(Xeon® E3-1505M v6 support ECC memory)</b>
<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 onboard lithium battery
<b>Expansion</b>	1 x MiniPCIe (support mSATA), 1 x Half Size MiniPCIe, 1 x Sim slot, 1 x PCIE X16 slot
<b>Graphics</b>	
<b>Chipset</b>	Intel® 9th Gen integrated HD Graphics
<b>Display Interface</b>	1 x DVI-I, 1 x DisplayPort( <b>optional</b> ) , 1 x VGA, 1 x HDMI, 1 x LVDS ( <b>Note1</b> )
<b>LAN</b>	
<b>Chip</b>	1 x Intel® I219-LM Gigabit PHY LAN (Support iAMT11.0) 1 x Intel® I210-AT Gigabit LAN

### 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 USB3.0, 1 x LVDS, 1 x LCD inverter, 1 x LPC, 1 x GPIO , 1 x Audio, 1 x PS/2, 1 x SMBUS, 1 x VGA
<b>Rear I/O</b>	1 x DisplayPort( <b>optional</b> ), 1 x DVI-I, 1 x HDMI, 4 x USB3.0, 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 6~30V ( <b>without LVDS, 60W</b> )
<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-67RK3</b>	With i3-7100E, QM175 support HDMI, LVDS, VGA, DVI-I, DP
<b>LV-67RK5</b>	With i5-7440EQ, QM175 support HDMI, LVDS, VGA, DVI-I, DP
<b>LV-67RK7</b>	With i7-7820EQ, QM175 support HDMI, LVDS, VGA, DVI-I, DP
<b>LV-67RKX</b>	With E3-1505M v6, CM238 support HDMI, LVDS, VGA, DVI-I, DP
<b>LV-67RTK3</b>	With i3-7100E, QM175 support HDMI, LVDS, VGA, DVI-I, Header for 2nd VGA or 2nd LVDS ( <b>Note2</b> )
<b>LV-67RTK5</b>	With i5-7440EQ, QM175 support HDMI, LVDS, VGA, DVI-I, Header for 2nd VGA or 2nd LVDS ( <b>Note2</b> )
<b>LV-67RTK7</b>	With i7-7820EQ, QM175 support HDMI, LVDS, VGA, DVI-I, Header for 2nd VGA or 2nd LVDS ( <b>Note2</b> )
<b>LV-67RTKX</b>	With E3-1505M v6, CM238 support HDMI, LVDS, VGA, DVI-I, Header for 2nd VGA or 2nd LVDS ( <b>Note2</b> )
<b>LV-67R3:</b>	With i3-6100E, QM170 support HDMI, LVDS, VGA, DVI-I, DP
<b>LV-67R5:</b>	With i5-6440EQ, QM170 support HDMI, LVDS, VGA, DVI-I, DP
<b>LV-67R7:</b>	With i7-6820EQ, QM170 support HDMI, LVDS, VGA, DVI-I, DP
<b>LV-67RT3:</b>	With i3-6100E, QM170 support HDMI, LVDS, VGA, DVI-I, Header for 2nd VGA or 2nd LVDS ( <b>Note2</b> )
<b>LV-67RT5:</b>	With i5-6440EQ, QM170 support HDMI, LVDS, VGA, DVI-I, Header for 2nd VGA or 2nd LVDS ( <b>Note2</b> )
<b>LV-67RT7:</b>	With i7-6820EQ, QM170 support HDMI, LVDS, VGA, DVI-I, Header for 2nd VGA or 2nd LVDS ( <b>Note2</b> )
<b>ADP-3355:</b>	Display port to VGA
<b>ADP-3460:</b>	Display port to LVDS

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

**Note2:** There are two module (ADP3355, ADP3460), and you can choose one to support 2nd VGA or 2nd LVDS