

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 9~25V

System

Processor	Intel® 6th / 7th Gen Intel® Core™ / Xeon® H-series Processor , FCBGA1440 package
Chipset	Intel® QM170 / QM175 /CM238
Memory	2 x DDR4 SO-DIMM 2133 MHz up to 32GB, Support Non-ECC, unbuffered memory only (Xeon® E3-1505M v6 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 (support mSATA), 1 x Half Size MiniPCIe, 1 x SIM slot, 1 x PCIE X16 slot

Graphics

Chipset	Intel® 9th Gen integrated HD Graphics
Display Interface	1 x DVI-I, 1 x DisplayPort(optional) , 1 x VGA, 1 x HDMI, 1 x LVDS (Note1)

LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN (Support iAMT11.0) 1 x Intel® I210-AT Gigabit LAN
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Ordering Code

LV-67RK3	With i3-7100E, QM175 support HDMI, LVDS, VGA, DVI-I, DP
LV-67RK5	With i5-7440EQ, QM175 support HDMI, LVDS, VGA, DVI-I, DP
LV-67RK7	With i7-7820EQ, QM175 support HDMI, LVDS, VGA, DVI-I, DP
LV-67RKX	With E3-1505M v6,CM238 support HDMI, LVDS, VGA, DVI-I, DP
LV-67RTK3	With i3-7100E, QM175 support HDMI, LVDS, VGA, DVI-I, Header for 2 nd VGA or 2 nd LVDS (Note2)
LV-67RTK5	With i5-7440EQ, QM175 support HDMI, LVDS, VGA, DVI-I, Header for 2 nd VGA or 2 nd LVDS (Note2)
LV-67RTK7	With i7-7820EQ, QM175 support HDMI, LVDS, VGA, DVI-I, Header for 2 nd VGA or 2 nd LVDS (Note2)
LV-67RTKX	With E3-1505M v6, CM238 support HDMI, LVDS, VGA, DVI-I, Header for 2 nd VGA or 2 nd LVDS (Note2)
LV-67R3:	With i3-6100E, QM170 support HDMI, LVDS, VGA, DVI-I, DP
LV-67R5:	With i5-6440EQ, QM170 support HDMI, LVDS, VGA, DVI-I, DP
LV-67R7:	With i7-6820EQ, QM170 support HDMI, LVDS, VGA, DVI-I, DP
LV-67RT3:	With i3-6100E, QM170 support HDMI, LVDS, VGA, DVI-I, Header for 2 nd VGA or 2 nd LVDS (Note2)
LV-67RT5:	With i5-6440EQ, QM170 support HDMI, LVDS, VGA, DVI-I, Header for 2 nd VGA or 2 nd LVDS (Note2)
LV-67RT7:	With i7-6820EQ, QM170 support HDMI, LVDS, VGA, DVI-I, Header for 2 nd VGA or 2 nd LVDS (Note2)
ADP-3355:	DisplayPort to VGA module (For 2 nd VGA)
ADP-3460:	DisplayPort to LVDS module (For 2 nd LVDS)

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

Note2: Add ADP-3355 supports 2nd VGA or Add ADP-3460 supports 2nd LVDS.

I/O

Serial ATA	3 x SATA3
Audio	Realtek ALC262 HD Audio
Internal I/O	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
Rear I/O	1 x DisplayPort(optional), 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

Power Requirement	Standard 24-pin ATX power supply or 4-pin 9~25V (without LVDS, 60W)
Size	170mm x 170mm (L x W)
Temperature	Operating within 0°C~60°C (32°F~140°F) Storage within -20°C~80°C (-4°F~176°F)
Relative Humidity	10%~90%, non-condensing