

LS-37K



Features

- Intel® 6th & 7th Gen Core™ and Xeon® Processor
- 1 x DDR4 DIMM 1866/2133 MHz up to 16GB
- Integrated VGA, DVI, DisplayPort, HDMI, LVDS for Triple display support
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® Gigabit LAN,
- 1 x MiniPCIe (support mSATA)
- 2 x SATA3, 4 x USB2.0, 4 x USB3.0, 6 x COM, 1 x LPC, 1 x GPIO, 1 x PS/2
- Support Watchdog Timer
- Support 4K resolution
- DC input 9~35V

System

Processor	Intel® 6th & 7th Core™ i7/ i5/ i3 and Xeon® E3-1200 v5 Processor, FCLGA1151 package (TDP up to 45W) (Note3)
Chipset	Intel® C236
Memory	1 x DDR4 DIMM 1866/2133 MHz up to 16GB, Support Non-ECC, unbuffered memory (Xeon® E3-1200 v5 Product 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 lithium battery
Expansion	1 x MiniPCIe (support mSATA)
Graphics	
Processor	Intel® 9th Gen integrated HD Graphics (A few Xeon® E3-1200 v5 Product CPU doesn't support)
Display Interface	1 x DisplayPort, 1 x HDMI, 1 x DVI 1 x VGA, 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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I/O

Serial ATA	2 x SATA3 interface with 600MB/s transfer rate
Audio	Realtek ALC262 HD Audio
Internal I/O	2 x SATA3, 4 x USB2.0 4 x RS232, 1 x RS232/485/422 1 x DVI, 1 x VGA, 1 x LVDS, 1 x LCD inverter, 1 x LPC, 1 x GPIO, 1 x Audio, 1 x PS/2, 1 x SMBus
Rear I/O	1 x DisplayPort, 1 x HDMI 4 x USB3.0, 2 x LAN, 1 x RS232

Mechanical & Environmental

Power Requirement	DC input 9~35V
Size	146mm x 101mm (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

Ordering Code

LS-37K:	Skylake & Kaby Lake i7, i5, i3 S-series & Xeon® E3 v5 Processor, support HDMI, LVDS, VGA, DVI, DP
LS-37KT:	Skylake & Kaby Lake i7, i5, i3 S-series & Xeon® E3 v5 Processor, support HDMI, LVDS, VGA, DVI, Header for 2 nd VGA or 2 nd LVDS (Note2)
OEM Model:	Support 2 nd VGA (W/ ADP-3355) or 2 nd LVDS (W/ ADP-3460E), but without DP (Note2)
ADP-3355:	DisplayPort to VGA module
ADP-3460:	DisplayPort to LVDS module

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

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

Note3: Support TDP up to 65W for OEM model, power requirement DC 12V input.