

# Intel® 6th / 7th Core™ and Xeon® Processor

## LS-579

### Features



- Intel® 6th & 7th Gen Core™ and Xeon® Processor
- 2 x DDR4 DIMM 1866/2133 MHz up to 32GB
- Integrated VGA, HDMI, DisplayPort, LVDS for Triple display supports
- 4 x Intel® Gigabit LAN (Support PSE)
- 2 x M.2 (Key M), 1 x M.2 (Key E), 2 x MiniPCIe
- Support Watchdog Timer
- Support 4K resolution
- DC input 9~35V

### System

Processor	Intel® 6th & 7th Core™ i7/ i5/ i3 and Xeon® E3-1200 v5/ v6 Processor, FCLGA1151 package
Chipset	Intel® C236
Memory	2 x DDR4 DIMM 1866/2133 MHz up to 32GB, Support Non-ECC, unbuffered memory <b>(Xeon® E3-1200 v5 / v6 Product support ECC memory)</b>
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	2 x M.2 (Key M) for PCIe NVMe 2242/2260/2280mm 1 x M.2 (Key E) for Wi-Fi and Bluetooth 2230mm 2 x MiniPCIe (support mSATA) 1 x Sim slot

### Graphics

Processor	Intel® 9th Gen integrated HD Graphics <b>(Some Xeon® E3-1200 v5/ v6 Product CPU not support)</b>
Display Interface	1 x DisplayPort, 2 x HDMI, 1 x VGA, 1 x LVDS <b>(Note1)</b>

### LAN

Chip	1 x Intel® I219-LM Gigabit PHY LAN 3 x Intel® I210-AT Gigabit LAN
PSE	With ADP-PSE4 support four independent PSE function capable of delivering up to 90W.

### I/O

Serial ATA	4 x SATA3 interface with 600MB/s transfer rate
Audio	Realtek ALC262 HD Audio
Internal I/O	4 x SATA3, 2 x RS232/422/485, 4 x RS232, 4 x USB2.0, 1 x LPC, 1 x GPIO 1 x PS/2, 1 x SMBUS, 1 x Audio, 1 x LVDS <b>(Note1)</b> , 1 x LCD inverter, 1 x VGA
Rear I/O	6 x USB3.0, 4 x LAN 2 x HDMI, 1 x Display Port,

### Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power supply or 4-pin DC 9~35V
Size	203mm x 146mm (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-579	Support Skylake & Kabylake i7, i5, i3 S-series and Xeon® E3 v5 v6 Processor , support HDMI, LVDS, VGA, DP Art. No. 154220
LS-579T	Support Skylake & Kabylake i7, i5, i3 S-series and Xeon® E3 v5 v6 Processor , support HDMI, LVDS, VGA, Header for 2nd VGA or 2nd LVDS <b>(Note2)</b> Art. No. 154222

ADP-PSE4	Compliant IEEE802.3at support LTPoE++ 90W, with four independent PSE channels
ADP-3355	DP to VGA
ADP-3460	DP to LVDS (For 2nd LVDS)

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

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