



## 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

<b>Processor</b>	Intel® 6th & 7th Core™ i7/ i5/ i3 and Xeon® E3-1200 v5/ v6 Processor, FCLGA1151 package (TDP up to 45W) (Note3)
<b>Chipset</b>	Intel® C236
<b>Memory</b>	2 x DDR4 DIMM 1866/2133 MHz up to 32GB, Support Non-ECC, unbuffered memory (Xeon® E3-1200 v5 / v6 Product support ECC 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 onboard lithium battery
<b>Expansion</b>	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

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

## LAN

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

## Ordering Code

LS-579	Support Skylake & Kabylake i7, i5, i3 S-series and Xeon® E3 v5 v6 Processor , support HDMI, LVDS, VGA, DP
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 (Note2)
ADP-PSE4	Compliant IEEE802.3at support LTPoE++ 90W, with four independent PSE channels
ADP-3355	DP to VGA (For 2nd 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

**Note3:** Support TDP up to 65W CPU, power input must be ATX power supply or DC input for OEM model.

## I/O

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

## Mechanical & Environmental

<b>Power Requirement</b>	Standard 24-pin ATX power supply or 4-pin DC 9~35V
<b>Size</b>	203mm x 146mm (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