

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 <i>(Xeon® E3-1200 v5 / v6 Product support ECC memory)</i>
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	Intel® 9th Gen integrated HD Graphics <i>(Some Xeon® E3-1200 v5/ v6 Product CPU not support)</i>
Display Interface	1 x DisplayPort, 2 x HDMI, 1 x VGA, 1 x LVDS <i>(Note1)</i>
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	4x 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 <i>(Note1)</i> , 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 & Kaby Lake i7, i5, i3 S-series and Xeon® E3 v5 v6 Processor , support HDMI, LVDS, VGA, DP
LS-579T:	Support Skylake & Kaby Lake i7, i5, i3 S-series and Xeon® E3 v5 v6 Processor , support HDMI, LVDS, VGA, Header for 2 nd VGA or 2 nd LVDS <i>(Note2)</i>
ADP-PSE4:	Compliant IEEE802.3at support LTPoE++ 90W, with four independent PSE channels
ADP-3355:	DisplayPort to VGA module
ADP-3460E:	DisplayPort to LVDS module
DC-DC5	Power Converter Module with Heat spreader, Terminal block , DC 19~35V input, DC 54V/2A output
DC-PD Series	PoE+ PD 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.