

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

## AS-C7A



### Features

- Intel® 6th & 7th Gen Core™ and Xeon® Processor
- 4 x DDR4 DIMM 1866/2133 MHz up to 64GB
- Integrated VGA, DVI-I, DisplayPort, HDMI, LVDS for Triple display supports
- 1 x Intel® Gigabit PHY LAN, 1 x Intel® Gigabit LAN,
- 4 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,
- 1 x PCIe X16, 1 x PCIe X4, 1 x PCIe X1, 4 x PCI, 2 x MiniPCIe
- Support Watchdog Timer
- Support 4K resolution
- Standard 24-pin ATX power supply and 4-pin 12V

### System

<b>Processor</b>	Intel® 6th & 7th Core™ i7/ i5/ i3 and Xeon® E3-1200 v5/ v6 Processor, FCLGA1151 package
<b>Chipset</b>	Intel® C236
<b>Memory</b>	4 x DDR4 DIMM 1866/2133 MHz up to 64GB, Support Non-ECC, unbuffered memory only (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 MiniPCIe (support mSATA), 1 x Sim slot 1 x PCIe X16 slot, 1 x PCIe X4 slot, 1 x PCIe X1 slot 4 x PCI 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 DVI-I, 1 x DisplayPort (optional), 1 x LVDS (Note1) 1 x VGA, 1 x HDMI

### LAN

<b>Chip</b>	1 x Intel® I219-LM Gigabit PHY LAN 1 x Intel® I210-AT Gigabit LAN
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### I/O

<b>Serial ATA</b>	4 x SATA3
<b>Audio</b>	Realtek ALC262 HD Audio
<b>Internal I/O</b>	4 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
<b>Rear I/O</b>	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

<b>Power Requirement</b>	Standard 24-pin ATX power supply and 4-pin 12V
<b>Size</b>	307mm x 244mm (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

### Ordering Code

<b>AS-C7A:</b>	Art. N° 150052 Support Skylake & Kabylake i7, i5, i3 S-series and Xeon® E3 v5 v6 Processor , support HDMI, LVDS, VGA, DVI, DP
<b>AS-C7AT:</b>	Art. N° 150053 Support Skylake & Kabylake i7, i5, i3 S-series and Xeon® E3 v5 v6 Processor , support HDMI, LVDS, VGA, DVI, Header for 2nd VGA or 2nd LVDS (Note 2)
<b>ADP-3355:</b>	Display port to VGA
<b>ADP-3355NB:</b>	Display port to VGA , without bracket
<b>ADP-3460:</b>	Display port to LVDS

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

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