

### LP-175



### Features

- Onboard Intel® 6th /7th Gen Core™ U-series Processor
- 1 x DDR4 SO-DIMM 1866/2133 MHz up to 16GB
- Integrated HDMI, DisplayPort/VGA, LVDS for Triple display supports
- 1 x Intel® Gigabit LAN
- 1 x MiniPCIe
- 1 x SATA3, 2 x USB2.0, 2 x USB3.0, 2 x COM, 1 x LPC
- Supports Watchdog Timer, 4K resolution
- DC input 5V±5%

### System

<b>Processor</b>	Intel® 6 <sup>th</sup> / 7 <sup>th</sup> Gen Core™ U-series Processor, FCBGA1356 package
<b>Chipset</b>	Sunrise Point-LP
<b>Memory</b>	1 x DDR4 SO-DIMM 1866/2133 MHz up to 16GB, Support Non-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>	1 x MiniPCIe (support mSATA)
<b>Graphics</b>	
<b>Chipset</b>	Intel® Gen 9 integrated HD Graphics
<b>Display Interface</b>	1 x HDMI, 1 x LVDS( <b>Note1</b> ), 1 x DisplayPort/VGA
<b>LAN</b>	
<b>Chip</b>	1 x Intel® I219-LM Gigabit LAN (Support iAMT11)

### I/O

<b>Serial ATA</b>	1 x SATA3
<b>Audio</b>	Realtek ALC262 HD Audio
<b>Internal I/O</b>	1 x SATA3, 2 x RS232, 2 x USB2.0, 1 x LVDS, 1 x LCD inverter, 1 x LPC, 1 x Audio, 1 x DC out 5V, 1 x PS/2, 1 x VGA ( <b>optional</b> )
<b>Rear I/O</b>	1 x DisplayPort ( <b>optional</b> ), 1 x HDMI, 2 x USB3.0, 1 x LAN

### Mechanical & Environmental

<b>Power Requirement</b>	DC input 5V±5%
<b>Size</b>	100mm x 72mm (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

LP-175PK3F:	With i3-7100U + Cooler Fan , support HDMI, LVDS, DP
LP-175PK5F:	With i5-7300U + Cooler Fan , support HDMI, LVDS, DP
LP-175PK7F:	With i7-7600U + Cooler Fan , support HDMI, LVDS, DP
LP-175TK3F:	With i3-7100U + Cooler Fan , support HDMI, LVDS, Header for VGA or 2nd LVDS ( <b>Note2</b> )
LP-175TK5F:	With i5-7300U + Cooler Fan , support HDMI, LVDS, Header for VGA or 2nd LVDS ( <b>Note2</b> )
LP-175TK7F:	With i7-7600U + Cooler Fan , support HDMI, LVDS, Header for VGA or 2nd LVDS ( <b>Note2</b> )
LP-175PK3F(TK3F)-4G:	Same as LP-175PK3F(TK3F), with DDR4/4G
LP-175PK5F(TK5F)-4G:	Same as LP-175PK5F(TK5F), with DDR4/4G
LP-175PK7F(TK7F)-4G:	Same as LP-175PK7F(TK7F), with DDR4/4G
LP-175PK3F(TK3F)-8G:	Same as LP-175PK3F(TK3F), with DDR4/8G
LP-175PK5F(TK5F)-8G:	Same as LP-175PK5F(TK5F), with DDR4/8G
LP-175PK7F(TK7F)-8G:	Same as LP-175PK7F(TK7F), with DDR4/8G
DC-DC3-5V	Power Converter Module with Heat spreader, Terminal block , DC 6~30V input, DC 5V/ 30W output
DC-DC3-5VJ	Power Converter Module with Heat spreader, DC Jack 2.5mm, DC 6~30V input, DC 5V/ 30W output
ADP-3355NB:	Display port to VGA , without bracket
ADP-3460	Display port to LVDS

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

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

# LP-175

## Ordering Code

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LP-175P3:	With i3-6100U + Heat spreader , support HDMI,LVDS, DP
LP-175P5:	With i5-6300U + Heat spreader , support HDMI,LVDS, DP
LP-175P7:	With i7-6600U + Heat spreader , support HDMI,LVDS, DP
LP-175T3:	With i3-6100U + Heat spreader , support HDMI,LVDS, Header for VGA or 2nd LVDS (Note2)
LP-175T5:	With i5-6300U + Heat spreader , support HDMI,LVDS, Header for VGA or 2nd LVDS (Note2)
LP-175T7:	With i7-6600U + Heat spreader , support HDMI,LVDS, Header for VGA or 2nd LVDS (Note2)
LP-175P3(T3)-4G:	Same as LP-175P3(T3), with DDR4/4G
LP-175P5(T5)-4G:	Same as LP-175P5(T5), with DDR4/4G
LP-175P7(T7)-4G:	Same as LP-175P7(T7), with DDR4/4G
LP-175P3(T3)-8G:	Same as LP-175P3(T3), with DDR4/8G
LP-175P5(T5)-8G:	Same as LP-175P5(T5), with DDR4/8G
LP-175P7(T7)-8G:	Same as LP-175P7(T7), with DDR4/8G

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

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