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

Processor	Intel® 6th / 7th Gen Core™ U-series Processor, FCBGA1356 package
Chipset	Sunrise Point-LP
Memory	1 x DDR4 SO-DIMM 1866/2133 MHz up to 16GB, Support Non-ECC memory
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	1 x MiniPCIe (support mSATA)

Graphics

Chipset	Intel® Gen 9 integrated HD Graphics
Display Interface	1 x HDMI, 1 x LVDS(Note1), 1 x DisplayPort/VGA

LAN

Chip	1 x Intel® I219-LM Gigabit LAN (Support iAMT11)

I/O

Serial ATA	1 x SATA3
Audio	Realtek ALC262 HD Audio
Internal I/O	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 (optional)
Rear I/O	1 x DisplayPort (optional), 1 x HDMI, 2 x USB3.0, 1 x LAN

Mechanical & Environmental

Power Requirement	DC input 5V±5%
Size	100mm x 72mm (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

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 (Note2)
LP-175TK5F:	With i5-7300U + Cooler Fan , support HDMI, LVDS, Header for VGA or 2nd LVDS (Note2)
LP-175TK7F:	With i7-7600U + Cooler Fan , support HDMI, LVDS, Header for VGA or 2nd LVDS (Note2)
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-DC6	DC 12V to DC 5V, 40W Converter Module with Heat spreader, Terminal block, provides 12V connector for LCD inverter
ADP-3355NB:	DisplayPort to VGA , without bracket
ADP-3460	DisplayPort to LVDS

Note1: Onboard 18/24-bit single/dual channel +3.3V/+5V LVDS.
Note2: Add ADP-3355 supports VGA or Add ADP-3460 supports 2nd LVDS.

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Ordering Code

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

Note1: Onboard 18/24-bit single/dual channel +3.3V/+5V LVDS.
Note2: Add ADP-3355 supports VGA or Add ADP-3460 supports 2nd LVDS.

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