

Intel® Braswell Series Processor

LV-67P



Features

- Intel® Braswell Series Processor N3710/X5-E8000
- 2 x DDR3L SO-DIMM 1600 MHz up to 8GB
- Integrated DVI, HDMI, DisplayPort/LVDS/CRT for Triple display supports
- 2 x Intel® Gigabit LAN,
- 1 x MiniPCIe, 1 x mSATA
- 2 x SATA3, 4 x USB2.0, 4 x USB3.0, 6 x COM, 1 x LPC, 1 x PS/2
- Support Watchdog Timer
- Support 4K resolution
- Standard 24-pin ATX power supply or 4-pin 6~30V

System

Processor	Intel® Braswell Series Processor N3710/X5-E8000, FCBGA1170 package
Chipset	Braswell SoC
Memory	2 x DDR3L DIMM 1600 MHz up to 8GB, Support Non-ECC, unbuffered memory only. (2 x memory must be the same brand & same capacity)
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, 1 x Sim slot, 1 x PCIe X16 slot 1 x mSATA (Same signal with SATA3-2)

Graphics

Chipset	Intel® HD Graphics
Display Interface	1 x LVDS (Note1)/DisplayPort/VGA, 1 x HDMI, 1 x DVI-I

LAN

Chip	2 x Intel® I210-AT Gigabit LAN
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I/O

Serial ATA	2 x SATA3
Audio	Realtek ALC262 HD Audio
Internal I/O	2 x SATA3, 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 VGA(Optional), 1 x LVDS(Optional), 1 x LCD inverter(Optional).
Rear I/O	4 x USB3.0, 2 x LAN, 1 x Audio, 1 x RS232 1 x RS232/422/485, 1 x HDMI, 1 x DVI-I 1 x DisplayPort(Optional).

Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power supply or 4-pin 6~30V
Size	170mm x 170mm (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

LV-67PNX:	With N3710+ Heat sink, support HDMI, DVI-I, LVDS
LV-67PNP:	With N3710+ Heat sink, support HDMI, DVI-I, DP
LV-67PNT:	With N3710+ Heat sink, support HDMI, DVI-I, VGA
LV-67PEX:	With X5-E8000 + Heat sink, support HDMI, DVI-I, LVDS
LV-67PEP:	With X5-E8000 + Heat sink, support HDMI, DVI-I, DP
LV-67PET:	With X5-E8000 + Heat sink, support HDMI, DVI-I, VGA

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