

LV-670



Features

- Intel® Processor J1900/N2930/E3845 CPU
- 2 x DDR3L SO-DIMM 1066/1333 MHz up to 8GB
- Integrated DVI, DisplayPort/LVDS/CRT
- 2 x Intel® Gigabit LAN,
- 1 x PCIe(x16)Slot support 1 lane
1 x MiniPCIe, 1 x mSATA,
- 2 x SATAII, 5 x USB2.0, 1 x USB3.0, 6 x COM, 1 x LPC,
1 x PS/2
- Support Watchdog Timer
- Standard 24-pin ATX power supply or 4-pin 6~30V

System

Processor	Intel® Bay Trail Series Processor J1900/N2930/E3845, FCBGA1170 package
Chipset	Bay Trail SoC
Memory	2 x DDR3L DIMM 1066/1333 MHz up to 8GB, Support Non-ECC, unbuffered memory only.
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
Power Management	Supports ACPI 5.0 compliant
Expansion	1 x PCIe X16 slot (Only Support 1 Lane), 1 x MiniPCIe(Support mSATA), 1 x SIM slot

Graphics

Chipset	Intel® HD Graphics
Display Interface	2 x LVDS (Note1), 1 x DisplayPort, 1 x VGA, 1 x DVI (DVI and LVDS1 can't be enabled simultaneously) (DisplayPort and LVDS2 can't be enabled simultaneously)

LAN

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

Serial ATA	2 x SATAII OEM Version for support 1 x SATAII and 1 x CFast
Audio	Realtek ALC262 HD Audio
Internal I/O	4 x RS232, 1 x GPIO, 1 x Audio, 2 x USB2.0(xHCI), 2 x LVDS(optional), 2 x LCD inverter(optional), 1 x CRT, 1 x LPC, 1 x SMBus, 2 x SATAII
Rear I/O	1 x PS/2, 1 x RS232, 1 x RS232/422/485, 1 x DVI(optional), 1 x DisplayPort(optional), 2 x RJ45, 3 x USB2.0(EHCI) 1 x USB 3.0(xHCI)/2.0(EHCI), 1 x Audio

Mechanical & Environmental

Power Requirement	Standard 24-pin ATX power supply or 4-pin 6~30V
Size	170mm x 170mm (L x W)
Temperature	LV-670J and LV-670N series: Operating within 0°C~60°C (32°F~140°F) Storage within -20°C~80°C (-4°F~176°F) ----- LV-670E series: Operating within -40°C~85°C (-40°F~185°F) Storage within -40°C~85°C (-40°F~185°F)
Relative Humidity	10%~90%, non-condensing

Ordering Code

LV-670JIP:	Intel Celeron Processor J1900, support CRT, DVI, DisplayPort
LV-670EIP:	Intel Atom Processor E3845, support CRT, DVI, DisplayPort
LV-670NIP:	Intel Celeron Processor N2930, support CRT, DVI, DisplayPort
LV-670JX2:	Intel Celeron Processor J1900, support CRT, 2 x LVDS
LV-670EX2:	Intel Atom Processor E3845, support CRT, 2 x LVDS
LV-670NX2:	Intel Celeron Processor N2930, support CRT, 2 x LVDS

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