

LP-176



Features

- Intel® Braswell Series Processor N3710/X5-E8000
- 1 x DDR3L SO-DIMM 1600 MHz up to 8GB
- Integrated HDMI, DisplayPort, 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, 1 x PS/2
- Support Watchdog Timer, 4K resolution
- DC input 5V±5%

System

Processor	Intel® Braswell Series Processor N3710/X5-E8000, FCBGA1170 package
Chipset	Braswell SoC
Memory	1 x DDR3L DIMM 1600 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
Expansion	1 x MiniPCie (Minicard support mSATA)
Graphics	
Chipset	Intel® HD Graphics
Display Interface	1 x LVDS, 1 x HDMI, 1 x DisplayPort (Optional)
LAN	
Chip	1 x Intel® I210-AT Gigabit LAN

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 LPC, 1 x PS/2, 1 x SMBUS, 1 x LVDS, 1 x LCD inverter, 1 x Audio.
Rear I/O	2 x USB3.0, 1 x LAN, 1 x HDMI, 1 x DisplayPort (Optional) .

Mechanical & Environmental

Power Requirement	DC input 5V±5%
Size	100 mm 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-176NXIP:** Intel® Pentium® Core™ Processor N3710, DisplayPort, HDMI, LVDS, USB2.0, USB3.0, MiniPCie, mSATA, LAN, Audio, SATA3, COM, LCD inverter, LPC, PS/2, SMBUS, DC in 5V±5%.
- LP-176EXIP:** Intel® Atom® Core™ Processor X5-E8000, DisplayPort, HDMI, LVDS, USB2.0, USB3.0, MiniPCie, mSATA, LAN, Audio, SATA3, COM, LCD inverter, LPC, PS/2, SMBUS, DC in 5V±5%.
- LP-176NXIT:** Intel® Pentium® Core™ Processor N3710, 11pin socket (connect to ADP3355 for CRT), HDMI, LVDS, USB2.0, USB3.0, MiniPCie, mSATA, LAN, Audio, SATA3, COM, LCD inverter, LPC, PS/2, SMBUS, DC in 5V±5%.
- LP-176EXIT:** Intel® Atom® Core™ Processor X5-E8000, 11pin socket (connect to ADP3355 for CRT), HDMI, LVDS, USB2.0, USB3.0, MiniPCie, mSATA, LAN, Audio, SATA3, COM, LCD inverter, LPC, PS/2, SMBUS, DC in 5V±5%.
- LP-176NXIP-4G:** Same as LP-176NXIP, but with **DDR3L-1600-4G-SODIMM Module**
- LP-176EXIP-4G:** Same as LP-176EXIP, but with **DDR3L-1600-4G-SODIMM Module**
- LP-176NXIT-4G:** Same as LP-176NXIT, but with **DDR3L-1600-4G-SODIMM Module**
- LP-176EXIT-4G:** Same as LP-176EXIT, but with **DDR3L-1600-4G-SODIMM Module**
- LP-176NXIP-8G:** Same as LP-176NXIP, but with **DDR3L-1600-8G-SODIMM Module**
- LP-176EXIP-8G:** Same as LP-176EXIP, but with **DDR3L-1600-8G-SODIMM Module**
- LP-176NXIT-8G:** Same as LP-176NXIT, but with **DDR3L-1600-8G-SODIMM Module**
- LP-176EXIT-8G:** Same as LP-176EXIT, but with **DDR3L-1600-8G-SODIMM Module**
- ADP-3355 series:** With LP-176NXIT series and LP-176EXIT series for CRT
- DC-DC3-5V series:** Power Converter Module convert DC 6~30V to DC 5V 30W