

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 SODIMM 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 lithium battery
Expansion	1 x MiniPCie (Minicard support mSATA)
Graphics	
Chipset	Intel® HD Graphics
Display Interface	1 x LVDS (Note1), 1 x HDMI, 1 x DisplayPort/VGA
LAN	
Chip	1 x Intel® I210-AT Gigabit LAN

Ordering Code

LP-176NXIP:	With N3710 + Heat spreader , support HDMI, LVDS, DP
LP-176EXIP:	With X5-E8000 + Heat spreader , support HDMI, LVDS, DP
LP-176NXIT:	With N3710 + Heat spreader , support HDMI, LVDS, VGA (if add ADP-3355)
LP-176EXIT:	With X5-E8000 + Heat spreader , support HDMI, LVDS, VGA (if add ADP-3355)
ADP-3355	Display port to VGA
ADP-3355NB:	Display port to VGA , without bracket
LP-176NXIP(T)-4G:	Same as LP-176NXIP(T), with DDR3L/4G
LP-176EXIP(T)-4G:	Same as LP-176EXIP(T), with DDR3L/4G
LP-176NXIP(T)-8G:	Same as LP-176NXIP(T), with DDR3L/8G
LP-176EXIP(T)-8G:	Same as LP-176EXIP(T), with DDR3L/8G
DC-DC3-5V	Power Converter Module with Heat spreader, Terminal block , convert wide range DC 6~30V input to DC 5V/ 30W
DC-DC3-5VJ	Power Converter Module with Heat spreader, DC Jack 2.5mm, convert wide range DC 6~30V input to DC 5V/ 30W

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

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, 1 x VGA (Optional)
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