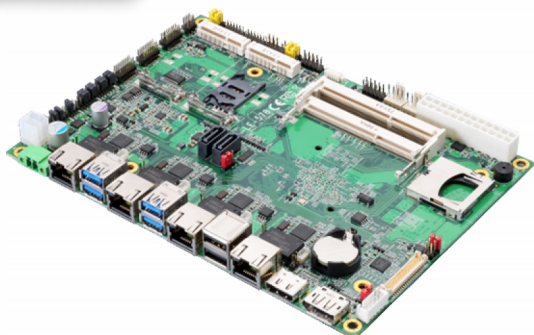


LE-578



Features

- Intel® Apollo Lake Series Processor N3350/N4200
- 2 x DDR3L SO-DIMM 1866 MHz up to 8GB
- Integrated HDMI, DisplayPort, LVDS for Triple display supports
- 4 x Intel® Gigabit LAN (Support PSE)
- 2 x MiniPCIe, 1 x SD Card
- Support Watchdog Timer
- Support 4K resolution
- DC input 6~35V

System

Processor	Intel® Apollo Lake Series Processor N3350/N4200, FCBGA1296 package
Chipset	Apollo Lake SoC
Memory	2 x DDR3L DIMM 1866 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	2 x MiniPCIe (Card1 support mSATA) 1 x SIM slot, 1 x SD Card
Graphics	
Processor	Intel® HD Graphics
Display Interface	1 x LVDS (Note1), 1 x HDMI, 1 x DisplayPort
LAN	
Chip	4 x Intel® I210-AT Gigabit LAN (Note3)
PSE	With ADP-PSE4 support four independent PSE function capable of delivering up to 90W.

I/O

Serial ATA	2 x SATA3 interface with 600MB/s transfer rate
Audio	Realtek ALC262 HD Audio
Internal I/O	2 x SATA3, 2 x RS232/422/485, 4 x RS232, 2 x USB2.0, 1 x LPC, 1 x GPIO, 1 x PS/2, 1 x SMBus, 1 x Audio, 1 x LVDS (Note1), 1 x LCD inverter
Rear I/O	4 x USB3.0, 2 x USB2.0, 4 x LAN, 1 x HDMI, 1 x DisplayPort,
Mechanical & Environmental	
Power Requirement	Standard 24-pin ATX power supply or 4-pin DC 6~35V
Size	203mm x 146mm (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

LE-578PN4G4:	With N4200 + Heat sink, support LVDS, HDMI, DP, 4 x Gigabit LAN (Note3)
LE-578TN4G4:	With N4200 + Heat sink, support LVDS, HDMI, Header for VGA or 2 nd LVDS (Note2), 4 x Gigabit LAN (Note3)
LE-578PN3G4:	With N3350 + Heat sink, support LVDS, HDMI, DP, 4 x Gigabit LAN (Note3)
LE-578TN3G4:	With N3350 + Heat sink, support LVDS, HDMI, Header for VGA or 2 nd LVDS (Note2), 4 x Gigabit LAN (Note3)
LE-578PN4G2:	With N4200 + Heat sink, support LVDS, HDMI, DP, 2 x Gigabit LAN (Note3)
LE-578TN4G2:	With N4200 + Heat sink, support LVDS, HDMI, Header for VGA or 2 nd LVDS (Note2), 2 x Gigabit LAN (Note3)
LE-578PN3G2:	With N3350 + Heat sink, support LVDS, HDMI, DP, 2 x Gigabit LAN (Note3)
LE-578TN3G2:	With N3350 + Heat sink, support LVDS, HDMI, Header for VGA or 2 nd LVDS (Note2), 2 x Gigabit LAN (Note3)
ADP-PSE4:	Compliant IEEE802.3at support LTPoE++ 90W, with four independent PSE channels
ADP-3355:	DisplayPort to VGA module
ADP-3460:	DisplayPort to LVDS module
DC-DC5	Power Converter Module with Heat spreader, Terminal block, DC 19~35V input, DC 54V/2A output
DC-PD Series	PoE+ PD Module

DSDM8GB-DDR3L-1600-SO-1.35V: DDR3L SO-DIMM 8GB 1600MHz 204PIN 1.35V

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

Note2: There are two modules ADP-3355 and ADP-3460; you can choose the one to support VGA or 2nd LVDS.

Note3: G4 version, MiniPCIe only supports USB function.

Note4: G2 version, MiniPCIe supports PCIe and USB function