

4 LAN Ports Networking Motherboard with Intel® Atom™ E3815/E3827/ Celeron® J1900/N2807 SoC

Front View



IO View



Rear View



Side View



## Optional Accessories

- **1709150151**  
VGA Cable
- **1700091805**  
Console Cable
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)

## Features

- 4 LAN Ports Networking Motherboard
- Onboard Intel® Bay Trail Atom E3815/E3827/ Celeron J1900/ N2807 SoC
- 204-pin DDR3L 1066/1333 MHz SODIMM x 2, up to 8 GB
- 10/100/1000Base-TX Ethernet x 4
- SATA II Connector x 2
- RJ-45 Console x 1, USB2.0 x 2
- DC 12V Power Input Requirement



## Specifications

System	
Form Factor	Networking Motherboard
Processor	Intel® Atom™ E3815/E3827/ Celeron® J1900/N2807
System Memory	204-pin DDR3L 1066/1333 MHz SODIMM x 2, up to 8 GB
Chipset	—
Ethernet	Intel® Ethernet Controller I211-AT, Gigabit Ethernet x 4
Bypass Function	1 Pair (Optional)
BIOS	AMI BIOS
Serial ATA	SATA II Connector x 2
Expansion Interface	Mini-Card Socket x 1(Optional)
Power Requirement	40W, 12V DC-in power connector
Power Consumption	Intel® Celeron® J1900 2.0 GHz, DDR3L 1333 2GB
Board Size	0.39A@ 100VAC, 1.21A@12V
Watchdog Timer	—
MTBF (Hours)	1~255 steps by software programming
OS support	90,000
Color	Window® 7 or above, Linux
Power Supply	12V DC power in connector/ 40W Power Adapter x 1
Dimension	210mm x 105mm x 35mm
MTBF (Hours)	90,000
OS Support	Window® 7 or above, Linux
Display	
Chipset	Intel® Atom™ E3815/E3827/ Celeron® J1900/N2807
Graphic Engine	Intel® HD
Resolution	2560 x 1600
Outer Interface	Reserved VGA Internal box header
I/O	
LAN Port	RJ-45 Port x 4
Serial Port	RJ-45 Console x 1
USB	USB2.0 x 2, USB3.0 x 1(Optional)
LED	Power LED x 1, HDD Active x 1, LAN LED x 8 (Optional Status LED x 1, Bypass LED x 1)
Others	Power Button x 1, Software Programmable Reset Button x 1
Environment	
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Operating Humidity	0%~90% @RH, non-condensing

## Ordering Information

- **FWB-2250E4-A10-A10-00**  
Networking Motherboard, Atom™ E3815, 4 x GbE LAN, 2 x SATA II Connector, 2 x USB. w/o Bypass