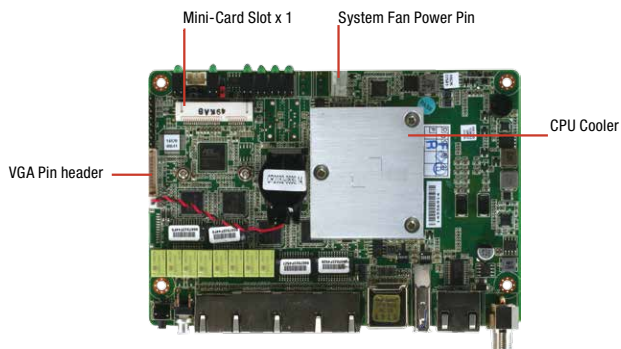
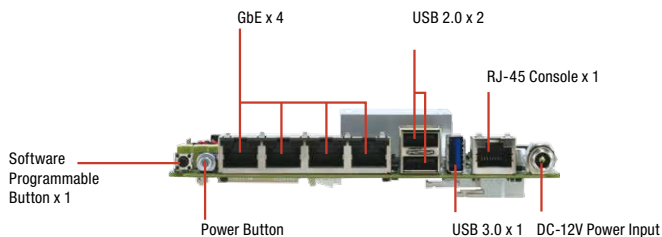


4 LAN Ports Networking Motherboard with Intel® Atom™ E3815 Processor SoC

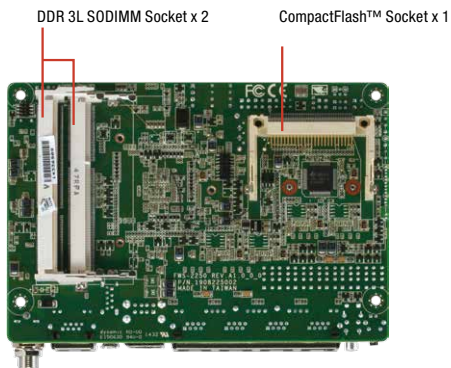
Front View



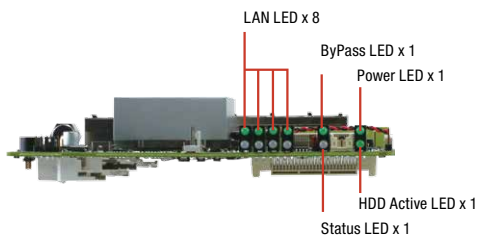
IO View



Rear View

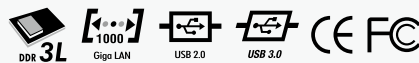


Side View



Features

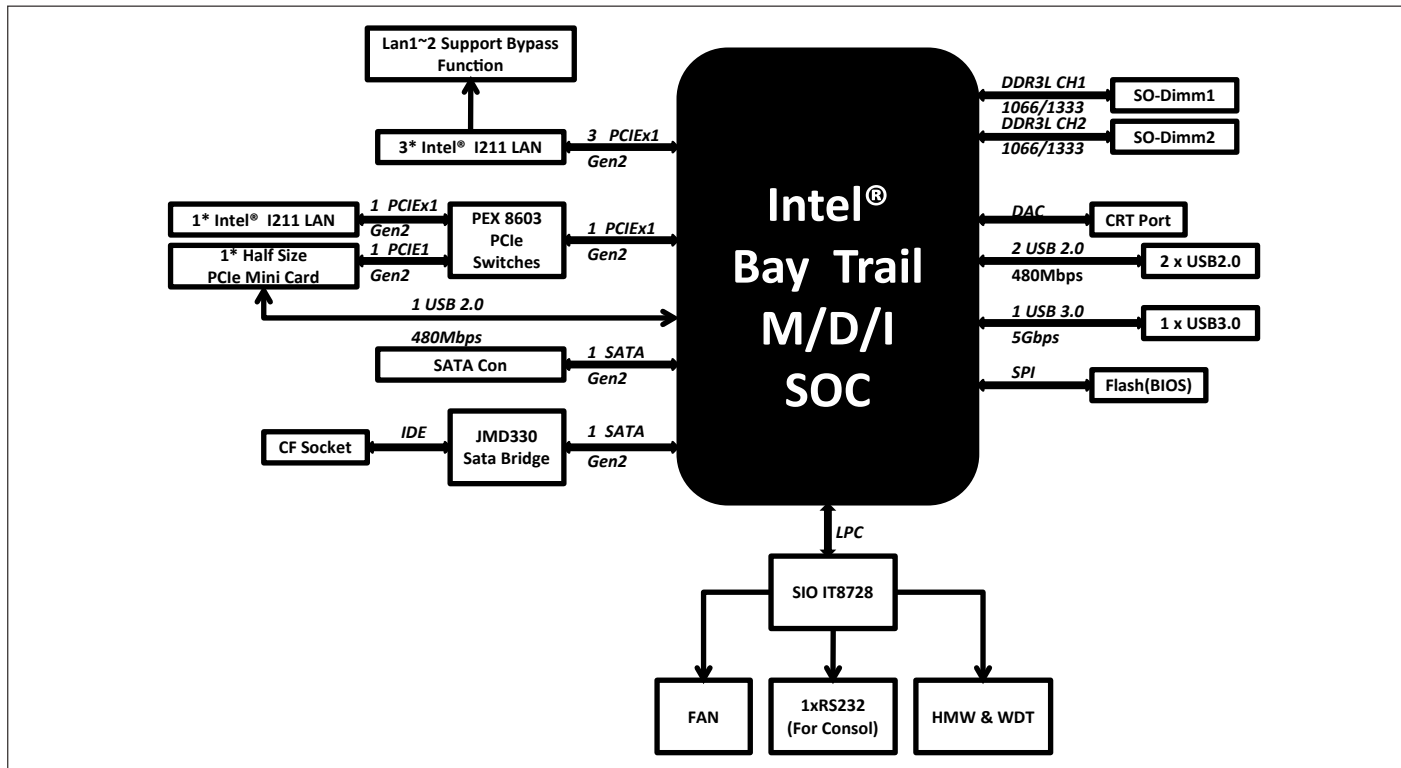
- Intel® Atom™ E3815 Processor SoC
- 204-pin Dual-channel DDR3L 1066/1333MHz SODIMM x 2, Up to 8 GB
- 10/100/1000Base-TX Ethernet Port x 4
- SATA 3.0 Gb/s x 2
- Mini-Card Slot x 1
- RJ-45 Console x 1, USB 3.0 x 1, USB 2.0 x 2



Specifications

System	
Form Factor	Networking Motherboard
Processor	Intel® Atom™ E3815 processor SoC
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 3.0 Gb/s Connector x 2, (Optional CompactFlash™ Socket x 1)
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 0.39A@ 100VAC, 1.21A@12V
Board Size	5.67" x 3.94" (114 mm x 100 mm)
Watchdog Timer	1~255 steps by software programming
MTBF (Hours)	90,630
OS Support	Windows® 7 or above, Linux
Display	
Chipset	Intel® Atom™ E3815
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	USB 2.0 x 2, USB 3.0 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	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0%~90% @RH, non-condensing

Block Diagram



Packing List

- FWB-2250

Optional Accessories

- **1700091805**
Console Cable
- **1702031802**
Power Cord, 3P-250V/10A, 180D, 1.8M, USA, YP22/YP12
- **1702031803**
Power Cord, 3P-250V/10A, 180D, 1.8M, VDE, YP22/YP12
- **1255300401**
Power Adapter, 12V, 40W

Ordering Information

Part Number	CPU	RAM	Bypass	Mini-Card Slot	Storage	LAN	USB	Console	Fan	TPM	Display	Mounting	Power
FWB-2250E4-A10-A10-00	Intel® Celeron® E3815	DDR3L, SODIMM Single Channel	—	—	SATA 3.0 Gb/s x 2	4	USB 2.0 x 2	RJ-45 x 1	Fanless	—	—	—	DC