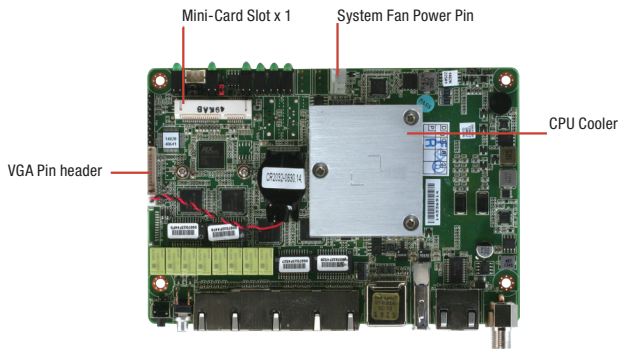
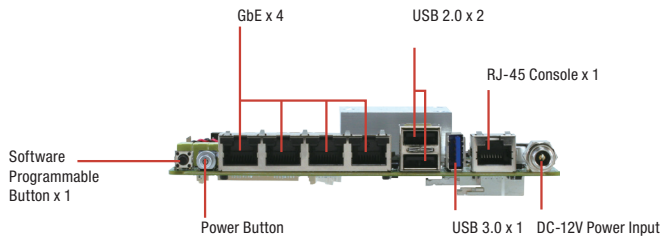


4 LAN Ports Networking Motherboard with Intel® Atom™ E3815 Processor SoC

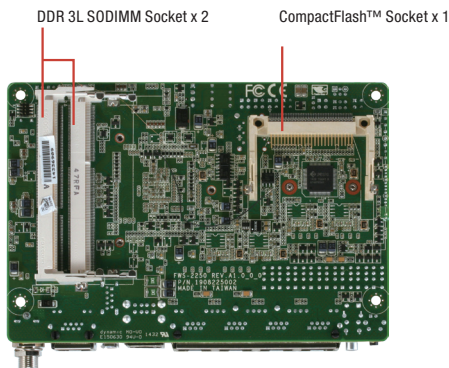
Front View



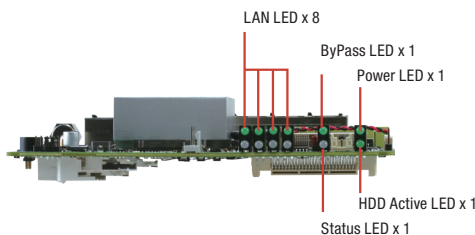
IO View



Rear View

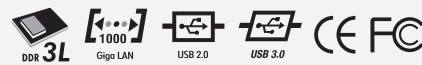


Side View



Features

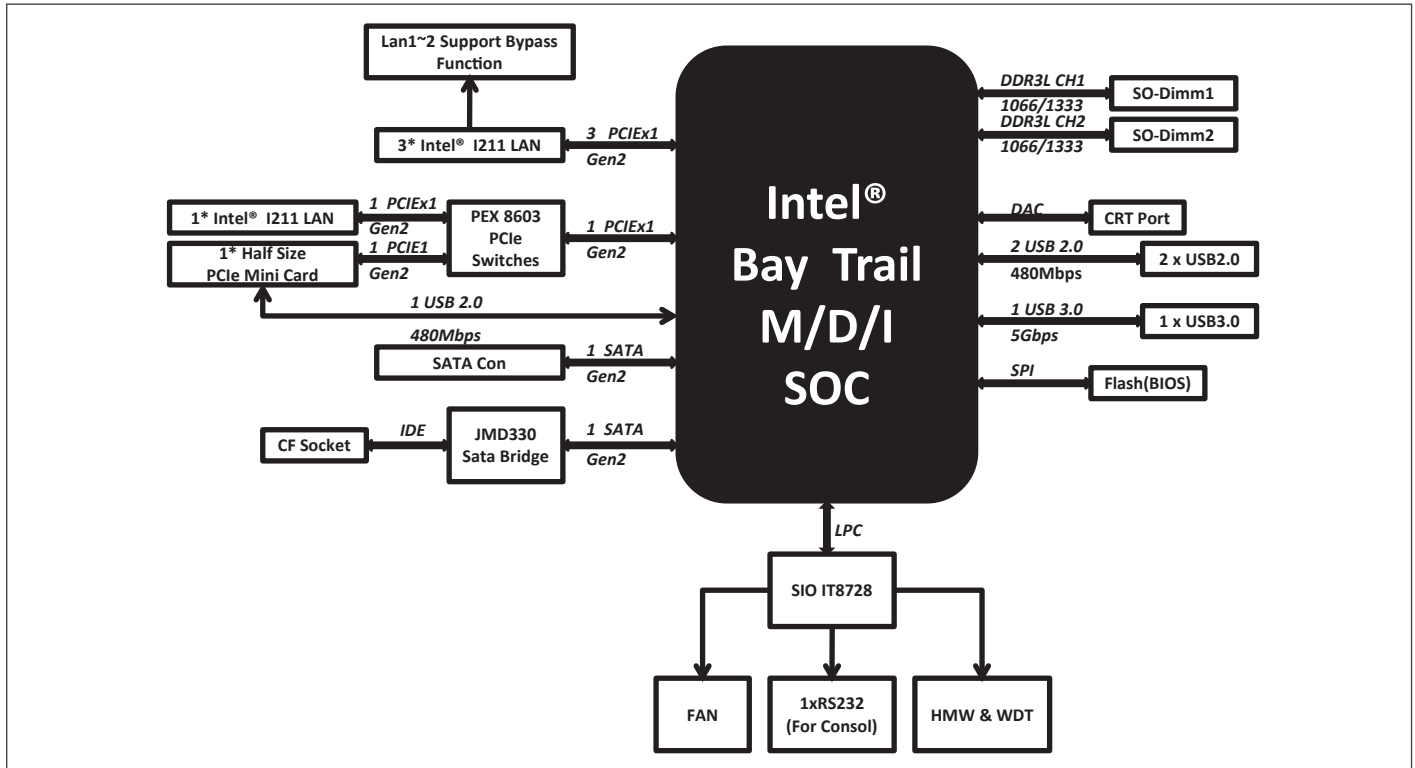
- Intel® Atom™ E3815 Processor SoC
- 204-pin Single-channel DDR3L 1066/1333MHz SODIMM x 1, Up to 8 GB
- 10/100/1000Base-TX Ethernet Port x 4
- SATA 3.0 Gb/s x 1
- CompactFlash™ Socket x 1
- Mini-Card Slot x 1
- RJ-45 Console x 1, USB 3.0 x 1, USB 2.0 x 2



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 1 (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 |
| 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% relative humidity, 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-A10-01 | Intel® Celeron® E3815 | DDR3L, SODIMM Single Channel | — | — | SATA 3.0 Gb/s x 1 CompactFlash™ Socket x 1 | 4 | USB 2.0 x 2 USB 3.0 x 1 | RJ-45 x 1 | Fanless | — | Pin Header | — | DC |