



Product Brief

- Intel Atom D2550 Dual-Core 1.86GHz (10W) Processor
- Intel ICH10R Express Chipset
- Up to 4GB single channel SO-DIMM
- 5 SATA2 3.0Gbps Ports support RAID 0, 1, 5, 10
- 2 SATA3 6.0Gbps Ports control by Marvell SE9172
- Support eSATA
- Dual Intel 82574L Gigabit LAN ports (with Teaming function)
- 4 x USB 3.0 ports (2 rear ports +2 via headers), 11 x USB 2.0 ports (6 rear ports + 4 via headers + 1 Type A connector)
- 1 (x1) PCI-E (in x16) slot
- Integrated Intel GMA3600 Graphics

Specifications

| | | |
|---------------------------|----------------------------|---|
| Physical status | Form Factor | - Mini ITX |
| | Dimensions | - 6.7" x 6.7" (17.02 cm x17.02 cm) |
| Processor System | CPU | - Intel Dual-Core Atom D2550 Processor |
| | Socket | - 1x micro-FCBGA11 |
| | Power phase | - 1+1 Power Phase Design |
| | Chipset | - Intel ICH10R |
| System Memory | Capacity | - 2 x SO-DIMM slots - Support up to 4GB |
| | Type | - Single Channel DDR3 memory technology - Supports DDR3 1066 DIMM |
| | Voltage | - 1.5V |
| Expansion Slot | PCIe x 16 | - 1 slot (x1) |
| | mini PCIE | - NA* (Optional, please send your inquiry to sales) |
| Storage | SATA controller | - Intel ICH10R : 5* x SATA2 3.0 Gb/s , support RAID 0, 1, 5, 10 (Default:5 SATA ports, w/eSATA ; Option: 6 SATA ports. wo/eSATA) |
| | Additional SATA controller | - Marvell SE9172: 2 x SATA3 6.0 Gb/s |
| Ethernet | Interface | - Gigabit LAN 10/100/1000 Mb/s |
| | LAN Controller | - 2 x Intel 82574L - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE |
| Graphics | Controller | - Integrated (GMA3600) |
| | Output | - Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz - Supports HDMI with max. resolution up to 1920x1200 @ 60Hz |
| Rear Panel I/O | PS/2 KB/mouse | - 1 |
| | VGA port | - D-sub x 1 , HDMI x1 |
| | eSATA | - 1 *(If without eSATA, the number of SATA2 ports will change from 5 to 6) |
| | USB 2.0 port | - 6 |
| | USB 3.0 port | - 2 |
| | Lan port | - 2 x RJ45 Gigabit Ethernet LAN ports - LAN Ports with LED (ACT/LINK LED and SPEED LED) |
| | COM port | - 1 |
| | Internal connector | Type A USB 2.0 port |
| Internal connector | USB 2.0 header | - 2 (Each support 2 USB 2.0) |
| | USB 3.0 header | - 1 (Each support 2 USB 3.0) |
| | Auxiliary panel header | - 1 (include chassis intrusion , location button & LED , front LAN LED) |
| | Front panel | - 1 |
| | Speaker | - 1 (4 pin) |
| | TPM-S | - 1 |
| | Fan header | - 3 (1 x 4-pin , 2 x 3-pin) |
| | ATX power | - 1 (24-pin) |
| Onboard LED | Standby PWR LED 5vsb | - 1 |
| | System BIOS | BIOS type |
| Hardware Monitor | Temperature | - CPU Temperature Sensing - System Temperature Sensing |
| | Fan | - CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU Fan Multi-Speed Control |
| | Voltage | - Voltage Monitoring: +12V, +5V, +3V, CPU Vcore, memory |
| | Support OS | OS |
| Features | Unique Features | - ASRock Instant Flash - ASRock Crashless BIOS - Boot Failure Guard (B.F.G.) |

Note: * 64bit OS: Microsoft® Windows® 7(x64) /Home Server 2011 / Storage Server 2008 R2 / Server 2008 R2

Board Diagram

