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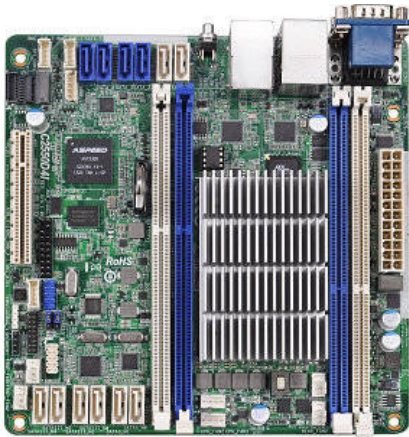
C2550D4I

- Intel Avoton C2550 Quad-Core Processor
- DDR3 1600/1333 Dual-channel Max. 64GB UDIMM
- 2 SATA3 6.0Gbps, 4 SATA2 3.0Gbps by C2550
- 4 x SATA3 6.0 Gb/s by Marvell SE9230, 2 x SATA3 6.0 Gb/s by Marvell SE9172 (To update Marvell SE 9230 FW, please click here)
- Dual Intel i210 Gigabit LAN ports (with Teaming function)
- 3 x USB 2.0 ports (2 rear ports + 1 via headers or 1 rear ports + 2 via headers controlled by USB_SEL1 and USB_SEL2 jumper)
- 1 x PCI-E x8 slot

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Specifications

MB Physical Status	
Form Factor	- Mini ITX
Dimensions	- 6.7" x 6.7" (17.02 cm x17.02 cm)
Processor System	
CPU	- Intel® Quad-Core Avoton C2550 Processor
Socket	- FCBGA1283 SOC
System Memory	
Capacity	- 4 x 240-pin DDR3 DIMM slots - Support up to 64GB DDR3 UDIMM
Type	- Dual Channel DDR3 memory technology - Supports DDR3 1600/1333 ECC/non-ECC Unbuffered UDIMM
Voltage	- 1.5V, 1.35V
Expansion Slot	
PCIe 2.0 x 8	- 1 slot (x8 mode)
Storage	
SATA Controller	- Intel® C2550 : 2 x SATA3 6.0 Gb/s, 4 x SATA2 3.0 Gb/s
Additional Storage Controller	- Marvell SE9172: 2 x SATA3 6.0 Gb/s, support RAID 0, 1 - Marvell SE9230: 4 x SATA3 6.0 Gb/s, support RAID 0, 1, 10 (To update Marvell SE 9230 FW, please click here)
Ethernet	
Interface	- Gigabit LAN 10/100/1000 Mb/s
LAN Controller	- 2 x Intel® i210 - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE
Management	
BMC Controller	- ASPEED AST2300 : IPMI (Intelligent Platform Management Interface) 2.0 with iKVM support
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management LAN
Features	- Watch Dog - NMI
Graphics	
Controller	- ASPEED AST2300

VRAM	- DDR3 16MB
Output	- Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz
Rear Panel I/O	
VGA Port	- D-sub x 1
USB 2.0 Port	- 2
Lan Port	- 2 x RJ45 Gigabit Ethernet LAN ports - 1 x RJ45 Dedicated IPMI LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Serial Port	- 1 (COM1)
UID Button/UID LED	- 1
Internal Connector	
Auxiliary Panel Header	- 1 (include chassis intrusion, location button & LED, front LAN LED)
IPMB Header	- 1
Fan Header	- 6 x 4-pin
ATX Power	- 1 (24-pin)
USB 2.0 Header	- 1 (support 1 via headers or 2 via headers controlled by USB_SEL1 and USB_SEL2 jumper)
Front Panel	- 1
System BIOS	
BIOS Type	- 64Mb AMI UEFI Legal BIOS
BIOS Features	- Plug and Play (PnP) - ACPI 1.1 Compliance Wake Up Events - SMBIOS 2.3.1 Support - DRAM Voltage Multi-adjustment - ASRock Instant Flash
Hardware Monitor	
Temperature	- CPU Temperature Sensing - Motherboard Temperature Sensing
Fan	- CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow CPU Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control
Voltage	- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, +1.1V,+1.0V, +BAT, 3VSB, 5VSB
Support OS	
OS	Microsoft® Windows® - Server 2008 R2 (x64) - Server 2012 (x64) Linux - RedHat Enterprise Linux Server 5.5/6.4 (x32 and x64) - CentOS 5.5 / 6.4 (x32 and x64) - SUSE Enterprise Linux Server 11 SP1 (x32 and x64) - FreeBSD 9.1 (x32/x64) - Fedora core 18 (x64) - Ubuntu 12.04/12.10 (x64) Virtual - VMWare® ESXi 5.1 (Marvell SE9230 and Marvell SE9172 has no driver can support VMWare)
Environment	
Temperature	- Operation temperature Range: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C * Install a CPU Fan when the airflow through the heatsink is below 2CFM.

The specification is subject to change without notice in advance. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.