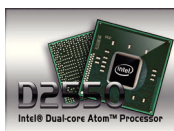
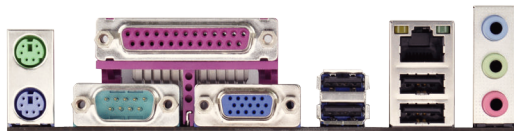


AD2550B-ITX

Intel® Dual-Core Atom™ D2550 CPU + NM10 Express

ASRock
www.asrock.com



Product Brief

- Intel® Dual-Core Atom™ Processor D2550
- Solid Capacitor for CPU power
- Supports DDR3 1066 memory, 2 SO-DIMM slots
- Built-in Intel® PowerVR SGX545, DirectX 9.0, Pixel Shader 3.0
- 5.1 CH HD Audio (VIA® VT1705 Audio Codec), Supports THX TruStudio™
- Supports ASRock XFast RAM, XFast LAN, XFast USB Technologies
- Supports Graphical UEFI, Crashless BIOS
- Free Bundle : CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite

Detail Specification

Platform	- Mini-ITX Form Factor: 6.7-in x 6.7-in, 17.0 cm x 17.0 cm - Solid Capacitor for CPU power
CPU	- Intel® Dual-Core Atom™ Processor D2550 (1.86 GHz)
Chipset	- Southbridge: Intel® NM10 Express
Memory	- 2 x DDR3 SO-DIMM slots - Supports DDR3 1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 4GB
Expansion Slot	- 1 x PCI slot
Graphics	- Intel® PowerVR SGX545 - DirectX 9.0, Pixel Shader 3.0 - Supports D-Sub with max. resolution up to 1920x1200 @ 60Hz
Audio	- 5.1 CH HD Audio (VIA® VT1705 Audio Codec) - Supports THX TruStudio™
LAN	- Realtek PCIe x1 LAN RTL8105E - Speed: 10/100 Ethernet - Supports Wake-On-LAN - Supports PXE
Rear Panel I/O	I/O Panel - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x Parallel Port (ECP/EPP Support) - 1 x Serial Port: COM1 - 1 x VGA Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
Connector	- 2 x SATA2 3.0 Gb/s connectors, support NCQ, AHCI and Hot Plug functions - 1 x IR header - 1 x CIR header - CPU/Chassis FAN connector - 24 pin ATX power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports)
BIOS Feature	- 16Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, ASRock MAGIX Multimedia Suite - OEM
Unique Feature	- ASRock Instant Boot - ASRock Instant Flash - ASRock APP Charger - ASRock SmartView - ASRock XFast USB - ASRock XFast LAN - ASRock XFast RAM - ASRock Crashless BIOS - Hybrid Booster: - CPU Frequency Stepless Control - ASRock U-COP - Boot Failure Guard (B.F.G.)
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU/Chassis Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
OS	- Microsoft® Windows® 7 32-bit compliant * Due to lack of Intel® 64-bit VGA driver support, this motherboard does not support 64-bit OS.
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA Data Cables (Optional)

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5X Faster for Photoshop Execution
XFast RAM will create a virtual disk from the system memory to boost the performance. For Photoshop, it can even perform 5X faster than before.

* The performance boost percentage may vary with a different configuration.



Lower Latency In Game
XFast LAN can lower latency in the game after setting online game priority higher.

* The performance boost percentage may vary with a different configuration.



USB Performance Comparison
ATTO Disk Benchmark 4K Read

* The performance boost percentage may vary with a different configuration.

Intel® Dual-Core Atom™ D2550 Processor Inside

The new Intel® Atom™ Dual-core D2550 processor brings the next-level computing experience to life with improved performance, low power consumption and new multimedia capabilities.

Fanless Design

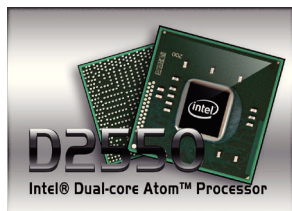
The CPU was covered by a huge heatsink, allowing faster heat dissipation. Utilizing ultra quiet fanless design, ASRock motherboard provides a superb silent computing environment.

Graphical UEFI

- * Graphical Visual Experience
- * Mouse Enabling
- * Supports 3TB bootable HDD

THX TruStudio

Delivering the fullest audio experience for games, music and movies.



MAGIX Multimedia Suite

The ultimate solutions to enhance your media experience. From music management, music creation, video editing to photo management. Simply do more with your media than you ever thought possible.

CyberLink MediaEspresso 6.5 Trial

The fastest video media conversion software

Crashless BIOS

ASRock Crashless BIOS allows users to update their BIOS without fear of failing. If power loss occurs during the BIOS update process, ASRock Crashless BIOS will automatically finish the BIOS update procedure after regaining power.

