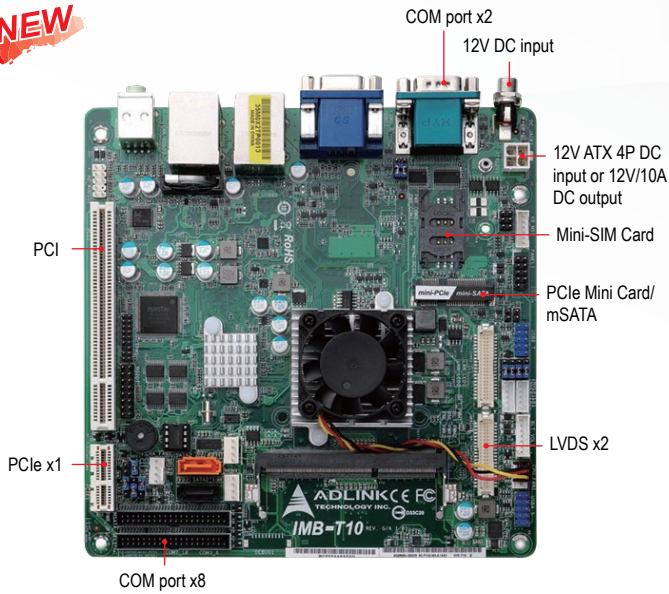
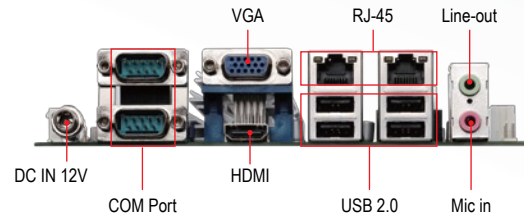


NEW



Features

- Intel® Atom™D2550 Processor + Intel® NM10 Express Chipset
- VGA, HDMI, LVDS display output
- PCI, PCIe x1 for flying Cable/riser card, and Mini PCIe full card slot
- 10x COM ports



Specifications

Processor & System

CPU	Intel® Atom™D2550, 1.86 GHz, 1M Cache, 32nm, 10W TDP, FCBGA
Chipset	Intel® NM10 Express Chipset
Memory	1x 204-pin SO-DIMM socket DDR3 800/1066MHz, up to 4GB
BIOS	AMI 16Mb SPI BIOS
Watchdog Timer	1-255 sec or 1-255 min software programmable, can generate system reset
Smart Fan Control	Yes
Hardware Monitor	CPU/System temperature, and onboard DC voltages
Operation Systems	Windows 7 32bit, Fedora 19

I/O Interfaces

Serial ATA	2x Serial ATA II ports with 3.0 Gb/s data transfer rate (One SATAII Interface shares with mSATA IF)
Expansion Slots	1x PCI, 1x PCIe x1 (for flying cable/riser card), 1x Mini PCIe full card slot (PCIe 1.0a/USB2.0/mSATA IF support)
USB	7x USB 2.0 ports (4x rear side, 3x onboard pin headers), additional one USB2.0 onboard pin headers is available if 1x Mini PCIe full card slot USB 2.0 IF is not occupied
KB/MS	1x on board pin headers for PS/2 keyboard/mouse
Serial Port	9x RS-232(8x on board pin headers), 1x RS-232/422/485
Digital IO	14x digital IO (7 in/7 out) plus one +5V pin and one GND pin

Audio

Audio Codec	Realtek® ALC887
Rear Panel Output	Line-out, Mic-in
Front Panel Output	Line-out, Mic-in (on board pin headers)

Display

Graphics	Intel® Graphics Media Accelerator 3650
VGA	Resolution up to 1920*1200 @60Hz
LVDS	1x Single channel 24bit LVDS resolution up to 1440*900 @60Hz 1x Dual channel 24bit LVDS resolution up to 1920*1080 @60Hz
HDMI	HDMI 1.3a support. Resolution up to 1920x1200 @60Hz
Dual Display	VGA+LVDS, VGA+HDMI, LVDS+HDMI

Communication

Ethernet Controller	2x 10/100/1000BASE-T Gigabit Ethernet ports by Realtek RTL8111E
Wake On LAN	Yes
Ethernet Interface	PCIe x1 Bus
SIM Card Slot	1x on board mini-SIM Card slot

Mechanical and Environmental

Form Factor	Mini-ITX
Power Input	12V DC IN screw type connector or 12V DC IN ATX 4pin connector. Both power input connectors can not be plug-in simultaneously
Dimensions	170 mm x 170 mm (L x W)
Operating Temp.	0°C to 60°C
Storage Temp.	-20°C to 80°C
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensed

Ordering Information

Model Number	Description/Configuration
IMB-T10	Mini-TX Intel Atom™D2550 Industrial Motherboard

Optional Accessories

SATA Data and power cable
2-port PS/2 Cable with bracket
2-port USB2.0 Cable with bracket
4-port COM Cable

Packing List

IMB-T10	I/O Shield
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