

## Features

- Intel® Atom™ D2550 (Cedarview) Dual Core low-power processor onboard
- Integrated Intel® GMA 3650/3600 graphic engine
- Intel® NM10 Chipset
- Supports DDR3 SODIMM up to 4 GB system memory
- Dual Display: DVI, VGA, 18/24-bit Dual Ch. LVDS
- 7 x USB and USB DOM supported
- 6 x COM
- LPT port onboard
- 1 x PCI, 1 x Mini PCIe
- 12V DC Power

## Specification

### System

CPU	Intel® Atom™ D2550 1.86 GHz Dual Core processor onboard
Chipsets	Intel® NM10 Chipset
System Memory	Two 204-pin SODIMM slot supports DDR3 1066 MHz up to 4 GB system memory
BIOS	AMI® 32Mb SPI BIOS
Expansion Interface	1 x PCI, 1 x Mini PCI Express
TPM	supported by Infineon SLB9635TT 1.2
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
H/W Status Monitor	Yes

### Display

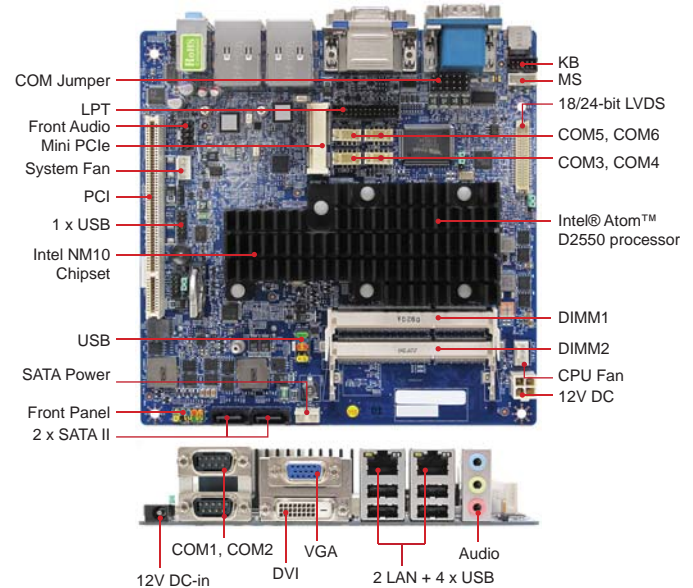
Graphics Engine	Intel® GMA 3650/3600 Integrated Graphic Engine with resolution up to 1920 x 1200
Display Interface	VGA, DVI, 18/24-bit Dual Channel LVDS

### Back I/O Panel

COM	1 x RS-232/422/485 and 1 x RS-232
Display	1 x DB-15 VGA, 1 x DVI-D
LAN and USB	2 x Stack up RJ45 and USB (4 x USB 2.0 Ports)
Audio	1 x 3-Jacks Audio Connector
DC-In	1 x Barrel Type DC-In Connector

### Onboard I/O Headers

SATA	2 x SATA II (3.0 Gb/s) Connectors
USB	1 x USB 2.0 Header with USB DOM Mounting (2 x USB Ports) and 1 x USB 2.0 Header (1 x USB Port)
COM	4 x RS-232 Headers and 6 x COM Power Select Jumpers
LVDS	1 x LVDS Header, 1 x Inverter Header
LPT	1 x Parallel Port Header
KB/MS	1 x Keyboard/Mouse Header
GPIO	1 x GPIO Header
Front Audio	1 x Front Audio Header
AMP	1 x AMP Header
DC-in	1 x DC-In 4-pin Header



### Audio

HD Audio Codec	HDA Codec by Realtek® ALC887 or ALC886
Amplifier	TI® TPA2008D2 (3W Per Channel)

### Ethernet

LAN 1	Intel® 82574L PCI Express Gigabit LAN Controller
LAN 2	Intel® 82574L PCI Express Gigabit LAN Controller

### Mechanical and Environment

Power Type	12V DC-In
Operating Temperature	• A system fan is required for 45°C to 60°C • For fanless solution: 0°C to 45°C
Storage Temperature	-20°C to 80°C
Humidity	5% ~ 90% RH, Non-Condensing
Form Factor	Mini ITX
Dimensions	6.7" (L) x 6.7" (W)
Weight	0.88 lbs

## Ordering Information

### MX255D

Intel Atom D2550 Mini ITX Motherboard w/ CPU onboard

### Accessories Included

1 x Standard I/O Shield, 1 x Dual COM Port Cables, 2 x SATA Data Cables, 1 x SATA Power Y Cable, 1 x Driver CD, 1 x User's Quick Start Card

### 182000000044

2.00mm pitch 11.8" length Parallel cable w/ full height bracket

### 183000000006

2.00mm pitch 12" length Serial cable

### 182437200040

2.54mm pitch 14" length Dual port USB cable w/ full height bracket

\* All product specifications are subject to change without notice. Last update: 10/23/2012