



### Features

- Intel® Atom™ D2550 Processor (1M Cache, 1.86GHz)
- Intel® NM10 Chipset
- 1 x DDR3 1066/1333MHz SO-DIMM Support 4GB MAX
- VGA, HDMI, Single-channel 18/ 24-bit LVDS
- 2 x Realtek RTL8111E PCIe Gigabit Ethernet
- 1 x Mini PCIe, 1 x PClex1
- 2 SATA II, 6 COM (5V/ 12V), 8 USB, 8-bit GPIO

Intel® NM10	VGA	HDMI	1-CH LVDS	2 GbE
1 PClex1	Mini PCIe	2 SATA II	6 COM	8 USB
8 GPIO				

### Specifications

#### System

• CPU	Onboard Intel® Atom™ D2550 Processor (1M Cache, 1.86GHz)
• BIOS	AMI 16MBit SPI BIOS
• System Chipset	Intel® NM10
• I/O Chip	Winbond W83627UHG
• System Memory	One 204-pin DDR3 1066/ 1333MHz SO-DIMM Socket, Supports Up to 4GB Max
• Watchdog Timer	Reset : 1 to 255 sec/min per step
• H/W Status Monitor	Monitoring Temperature, Voltage and Cooling Fan Status with Auto Throttling Control
• Expansion	1 x Mini PCIe Socket *Mini PCIe and mSATA SSD Switch Through Jumper 1 x PClex1

#### I/O

• MIO	6 x Internal RS-232 (5V/ 12V), 2 x SATA II, 1 x LPT, 1 x PS2 Keyboard, 1 x PS2 Mouse, 1 x 10-pins Header for VGA Output Port
• USB	8 x USB 2.0/ 1.1
• GPIO	8-bit General Purpose I/O for DI and DO

#### Display

• Chipset	Integrated Intel® Graphics Media Accelerator 3650 (Gfx freq @ 640MHz) Support DX9
• Resolution	VGA/ HDMI Display: 1920 x 1200 Internal LVDS 1440 x 900
• Multiple Display	LVDS + VGA, VGA + HDMI, HDMI + LVDS
• LCD Interface	Single-channel 18/ 24-bit LVDS

#### Audio

• Audio Codec	Realtek ALC661 HD Audio Decoding Controller
• Audio Interface	Mic-in, Line-out Support On-board S/PDIF Input/ Output

#### Ethernet

• LAN 1	Realtek RTL8111E PCI-Express Gigabit Ethernet
• LAN 2	Realtek RTL8111E PCI-Express Gigabit Ethernet

#### Mechanical & Environmental

• Power Requirement	+12V/ +5V/ 5Vsb
• Power Type	ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	6.69" x 6.69" (170mm x 170mm)
• Weight	1.058lbs (0.48kg)

### Ordering Information

#### EMX-CDT-A1R

Intel® Atom™ Cedar Trail D2550 Processor Mini ITX Motherboard with NM10 Chipset and VGA, LVDS, HDMI, Audio, 2 GbE, 1 PClex1, 1 Mini PCIe, 2 SATA, 6 COM, 8 USB, 1 LPT, 1 PS2 KB, 1 PS2 MS, ATX, w/ SATA Cable, Bracket/ CD Driver