



Features

- Onboard Intel® Atom™ D2550 Processor
 - Intel® NM10 Express Chipset
 - One 204-pin SODIMM Up to 4GB DDR3 1066/ 1333MHz SDRAM
 - VGA, HDMI
 - 18/24-bit Single-channel LVDS
 - Realtek RT8111E PCI-e Gigabit Ethernet
 - Mini PCI-e Socket, 1 COM, 4 USB, 4-bit GPIO
- * Mini PCIe and mSATA SSD is Switchable Through Jumper



Specifications

System

CPU	Onboard Intel® Atom™ D2550 Processor (1M Cache, 1.86GHz)
BIOS	AMI 16MBit SPI BIOS
System Chipset	Intel® NM10 Express Chipset
I/O Chip	Nuvoton NCT5577D
System Memory	One 204-pin SODIMM Up to 4GB DDR3 1066/ 1333MHz SDRAM
Watchdog Timer	Reset : 1 ~ 255 sec/min per step
H/W Status Monitor	Monitoring CPU Temperature, Voltage and Fan Status with Auto Throttling Control
Expansion	1 x Mini PCI-e Socket with SIM Card Holder *Mini PCI-e and mSATA SSD is Switchable Through Jumper 1 x 14-pin Header for Customized Add-on Card.

I/O

MIO	1 x RS-232 Port, 1 x SATA II (3Gb/s), 1 x VGA Output, 1 x LPC for Debug Only, 1 x Reset, 1 x Inverter, 1 x CIR, 1 x Powr on/off with Power LED Button
USB	3 x USB 2.0/ 1.1 Type A Connectors, 1 x 4-pin Header for USB
PS2 KB/ MS	1 x 6-pin Header for 1 x PS2 Keyboard/ Mouse
DIO	1 x 8-pin Header for 4-bit General Purpose I/O
SD Card Socket	Realtek RTS5138 USB Card Reader Controller Support SD/ SDHC Card

Display

Chipset	Integrated Intel® Graphics Media Accelerator
Resolution	VGA/ HDMI Mode: 1920 x 1200 Singel-channel 18/ 24-bit LVDS: 1440 x 900
Dual Display	LVDS + VGA, VGA + HDMI, HDMI + LVDS



Audio

Audio Codec	Realtek ALC661 HD Audio Decoding Controller
Audio Interface	Mic-in, Line-out
Audio Amplifier	Realtek ALC105 3W Stereo Class-D Audio Amplifier

Ethernet

LAN Chip	1 x Realtek RT8111E PCI-e Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Type	DC-in +12V
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)	4.72" x 4.72" (120mm x 120mm)
Weight	0.88lbs (0.4Kg)

Ordering Information

ENX-CDD-D255-A1R

Intel® Atom™ D2550 Processor with NM10 Chipset and VGA, LVDS, HDMI, Line-out, Mic-in, GbE, 1 Mini PCIe, 1 SATA, 1 COM, 4 USB, 1 PS2 KB, 1 PS2 MS, 1 SD Card Socket, 1 SIM Card Socket, 4-bit GPIO, 3W Amplifier, DC-in