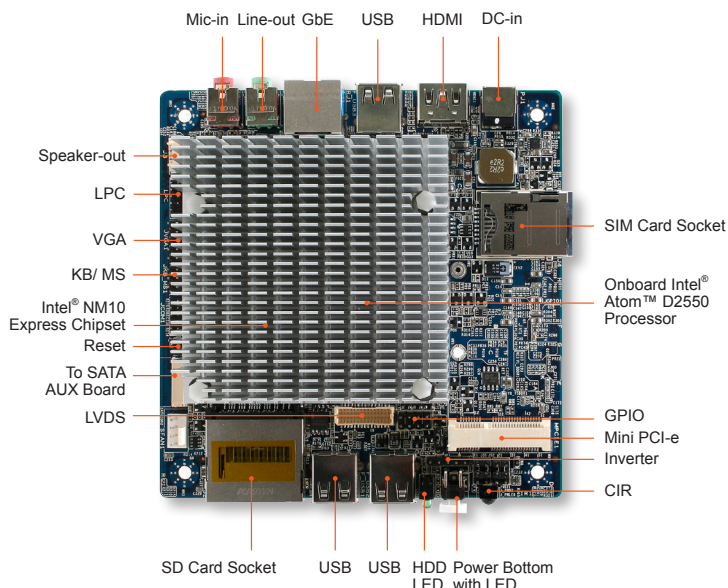




## Features

- Intel® Atom™ D2550 Processor (1M Cache, 1.86GHz)
- Intel® NM10 Express Chipset
- One 204-Pin SO-DIMM Up to 4GB DDR3 1066/1333MHz SDRAM
- VGA, HDMI, Single-channel 18/24-bit LVDS
- 1 x Realtek RTL8111E PCI-e Gigabit Ethernet
- Realtek ALC662 2-CH HD Audio Codec
- Realtek ALC105 Stereo Class-D 3W x 2 Audio Amplifier
- 1 x Line-Out, 1 x Mic-In
- 1 x SATA II, 4 x USB 2.0
- 1 x RS-232 (Pin9 Without Power)
- 1 x SD card slot, 1 x 4bit GPIO, 1 x SIM card slot
- 1 x CIR, 1 Power on/off with Power LED button
- Mini PCI-e Socket (Mini PCI-e and mSATA SSD Switch Through Jumper)
- DC in +12V



## Specifications

### System

|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| <b>Processor</b>          | Intel® Atom™ D2550 Processor(1MCache,1.86GHz)                                      |
| <b>System Chipset</b>     | Intel® NM10 Express Chipset                                                        |
| <b>System Memory</b>      | 1 x 204-Pin DDR3 1066MHz SO-DIMM up to 4 GB or 204-Pin DDR3 1333MHz SO-DIMM        |
| <b>I/O Chip</b>           | Nuvoton NTC5577D                                                                   |
| <b>BIOS</b>               | AMI 16Mbit SPI BIOS                                                                |
| <b>Watchdog Timer</b>     | H/W Reset: 1sec.~255min. and 1sec. or 1min./step                                   |
| <b>H/W Status Monitor</b> | Monitoring System Temperature, Voltage and FAN Status with Auto Throttling Control |

### Expansion & Storage

|                  |                                                                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Expansion</b> | 1 x Mini PCI-e Socket(Mini PCI-e and mSATA SSD is Switchable Through Jumper)<br>1 x 14-Pin Header for Customized Add-on Card<br>1 x SIM Card slot |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

### I/O

|                 |                                                                  |
|-----------------|------------------------------------------------------------------|
| <b>USB</b>      | 3 x USB 2.0<br>1 x 4-Pin Header for USB 2.0                      |
| <b>SATA</b>     | 1 x SATA II                                                      |
| <b>COM Port</b> | 1 x RS-232                                                       |
| <b>Other</b>    | 1 x CIR<br>1 x Power on/off with Power LED button<br>1 x HDD LED |
| <b>DIO</b>      | 1 x 4-bit GPIO                                                   |
| <b>MIO</b>      | 1 x PS-KeyBoard/Mouse                                            |

### Display

|                   |                                                                                                                                                      |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chipset</b>    | Integrated Intel® Graphics Media Accelerator<br>Supports dual display                                                                                |
| <b>Resolution</b> | VGA : 1920x1200 @ 60Hz<br>HDMI : 1920x1200 @ 60Hz<br>LVDS : 1440x900 @ 60Hz<br>LVDS + VGA, VGA + HDMI, HDMI + LVDS<br>Single-channel 18/ 24-bit LVDS |

### Audio

|                        |                                                      |
|------------------------|------------------------------------------------------|
| <b>Audio Codec</b>     | Realtek ALC661 supports 2-CH                         |
| <b>Audio Interface</b> | Mic-In and Line-Out                                  |
| <b>Audio Amplifier</b> | Realtek ALC105 Stereo Class-D 3W x 2 Audio Amplifier |

### Ethernet

|                           |                                    |
|---------------------------|------------------------------------|
| <b>LAN Chip</b>           | 1 x Realtek 8111E                  |
| <b>Ethernet Interface</b> | 10/100/1000 Base-Tx GbE compatible |
| <b>LAN Port</b>           | 1 x RJ-45                          |

### Power Requirement

|                           |                                            |
|---------------------------|--------------------------------------------|
| <b>Power Requirement</b>  | +12V                                       |
| <b>Operating Temp</b>     | 0°C ~ 60°C (32°F ~ 140°F)                  |
| <b>Storage Temp</b>       | -40°C ~ 75°C (-40°F ~ 167°F)               |
| <b>Operating Humidity</b> | 0% ~ 90% Relative Humidity, Non-condensing |
| <b>Dimension (L x W)</b>  | 4.72" x 4.72" (120mm x 120mm)              |
| <b>Weight</b>             | 0.88lbs (0.4kg)                            |

## Ordering Information

### ENX-CDD-D255-A1R

Intel® Atom™ D2550 Processo Nano ITX Motherboard with Intel® NM10 Chipset