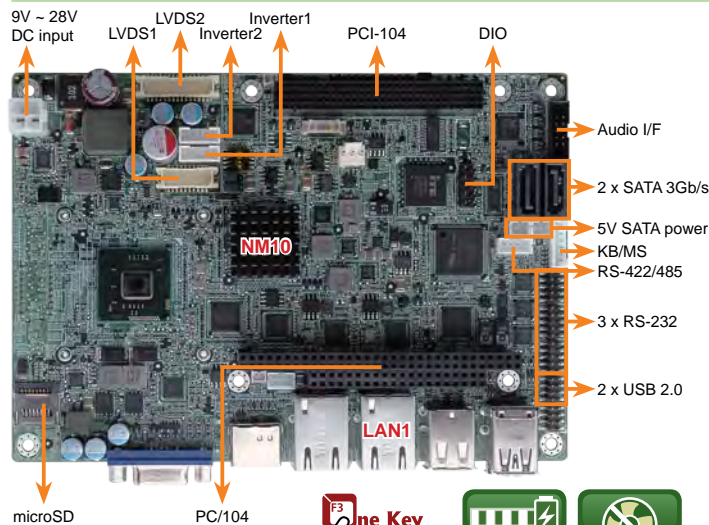


epic

**NANO-CV-****D25501  
N26001****EPIC SBC with Intel® D2550/N2600, DDR3, VGA/  
HDMI/Dual LVDS, Dual GbE, USB 3.0, mSATA,  
SATA 3Gb/s, Audio and RoHS**

## Specifications

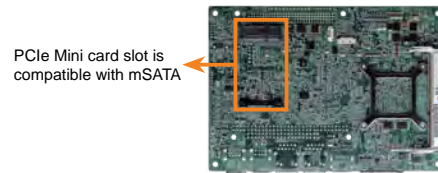
- ◆ CPU
  - Intel® dual core Atom™ D2550 1.86GHz processor
  - Intel® dual core Atom™ N2600 1.6GHz processor
  - Intel® dual core Atom™ N2800 1.86GHz processor (optional)
- ◆ Chipset
  - Intel® NM10
- ◆ BIOS
  - UEFI BIOS
- ◆ Memory
  - 1 x 1066MHz DDR3 SO-DIMM supporting up to 4GB (for D2550 and N2800)
  - 1 x 800MHz DDR3 SO-DIMM supporting up to 2GB (for N2600)
- ◆ Graphics
  - GMA 3650 at 640MHz graphics core speed (for N2550 and N2800)
  - GMA 3600 at 400MHz graphics core speed (for N2600)
- ◆ Display Output
  - Dual display supported
  - 1 x VGA (up to 1920 x 1200 @60Hz)
  - (Due to Intel GMA driver limitation, the monitor connected to the VGA connector may not have signal to it or become extended desktop after restarting from the graphics driver installation. To solve this problem, press the Ctrl+Alt+F1 hotkey to switch the primary screen to CRT mode.)
  - 1 x HDMI (up to 1920 x 1200 @60Hz)
  - LVDS1 integrated in the D2550/N2600
  - Single-channel 24-bit LVDS by D2550, resolution support up to 1440x900 @60Hz
  - Single-channel 18-bit LVDS by N2600 and N2800, resolution support up to 1366x768 @60Hz
  - LVDS2 supports 24-bit dual-channel by CH7511 DP to LVDS converter, resolution support up to 1920x1200 for D2550, 1600x1200 for N2600/N2800
- ◆ Ethernet
  - Dual GbE by Realtek RTL8111E controllers
- ◆ I/O Interface
  - 3 x RS-232
  - 4 x USB 2.0
  - 2 x USB 3.0
  - 2 x SATA 3Gb/s with 5V power connector (SATA1 and mSATA shares SATA signal)
- ◆ Audio
  - Realtek ALC662 HD audio codec
- ◆ Expansions
  - 1 x PCIe Mini card (compatible with mSATA SSD device) (SATA1 and mSATA shares SATA signal)
  - 1 x PC/104 slot (ISA)
  - 1 x PCI/104 slot (PCI)
- ◆ Watchdog Timer
  - Software programmable supports 1~255 sec. system reset
- ◆ Programmable GPIO
  - 8-bit GPIO
- ◆ Fan Connector (smart fan support)
  - 1 x 3-pin CPU fan connector
  - 1 x 3-pin system fan connector
- ◆ Power supply
  - Maximum input voltage range: 9V ~ 28V
  - Recommended operating input voltage range: 12V ~ 24V
  - One internal 4-pin (2x2) power connector
- ◆ Power Consumption
  - 12V@2.1A (Intel® D2550 1.86GHz CPU with 1333MHz 2GB DDR3 memory)
  - 12V@1.72A (Intel® N2600 1.6GHz CPU with 1333MHz 2GB DDR3 memory)
- ◆ Operating Temperature
  - 20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D2550 processor
  - 20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N2600/N2800 processor
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Weight: GW: 670g/NW: 350g



The built-in microSD card slot delivers the most reliable, outstanding performance and excellent endurance.



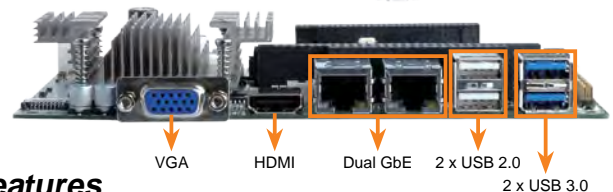
CPU heatsink pre-installed on the board



PCIe Mini card slot is compatible with mSATA

DDR3 SO-DIMM supports up to 4GB

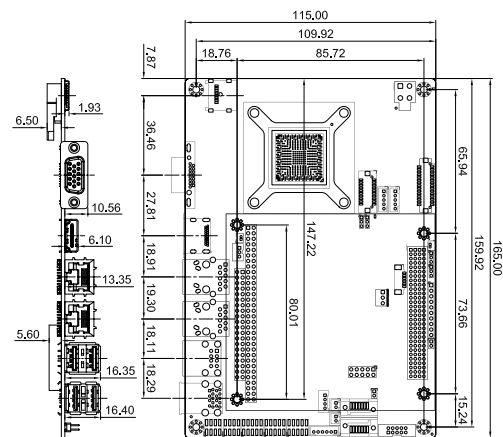
Solder side



## Features

1. EPIC form factor with Intel® D2550/N2600 dual-core processor supporting DDR3/DDR3L (1.35V) memory
2. Wide range 9V ~ 28V DC input design
3. Flexible VGA, dual LVDS and HDMI with dual-display support
4. Supports PC/104-Plus and PCIe Mini card slot compatible with mSATA SSD storage
5. Complete I/O with six USB, two SATA 3Gb/s, four COM and audio
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Dimensions (Unit: mm)



## Packing List

1 x NANO-CV-D25501/N26001 single board computer	
1 x PS/2 KB/MS Y cable (P/N: 32000-023800-RS)	
1 x SATA with 5V output cable (P/N: 32801000201-100-RS)	
1 x Power cable (P/N: 32100-087100-RS)	1 x One Key Recovery CD
1 x Audio cable (P/N: 32000-072100-RS)	1 x Mini jumper pack
1 x USB cable (P/N: 32001-008600-100-RS)	1 x Utility CD
1 x RS-232 cable (P/N: 32205-002700-100-RS)	1 x QIG (Quick Installation Guide)

## Ordering Information

Part No.	Description
NANO-CV-D25501-R10	EPIC SBC with Intel® Atom™ D2550 1.86GHz, DDR3, VGA/HDMI/dual LVDS, dual GbE, USB 3.0, mSATA, SATA 3Gb/s, Audio, RoHS
NANO-CV-N26001-R10	EPIC SBC with Intel® Atom™ N2600 1.6GHz, DDR3, VGA/HDMI/dual LVDS, dual GbE, USB 3.0, mSATA, SATA 3Gb/s, Audio, RoHS
NANO-CV-N28001-R10	EPIC SBC with Intel® Atom™ N2800 1.86GHz, DDR3, VGA/HDMI/dual LVDS, dual GbE, USB 3.0, mSATA, SATA 3Gb/s, Audio and RoHS (by project support, MOQ 100pcs / lot)
32205-002700-100-RS	RS-232 cable
32205-003800-100-RS	RS-422/485 cable, 200mm
19FFD124010HB2A7-000001-RS	CPU fan
34000-000510-RS	30mm higher heatsink