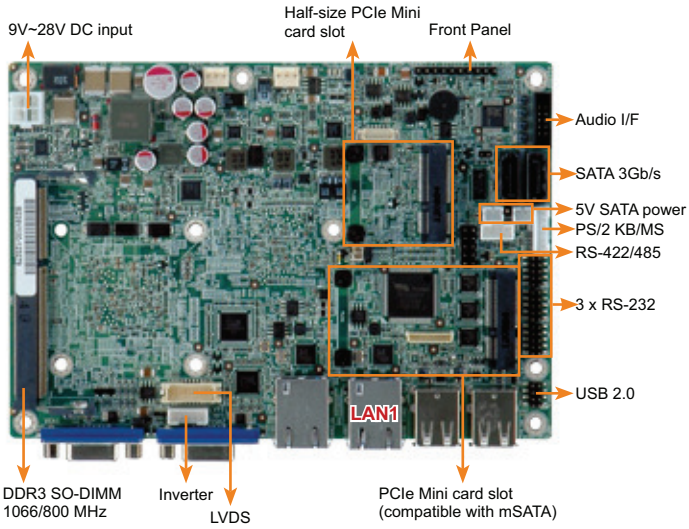
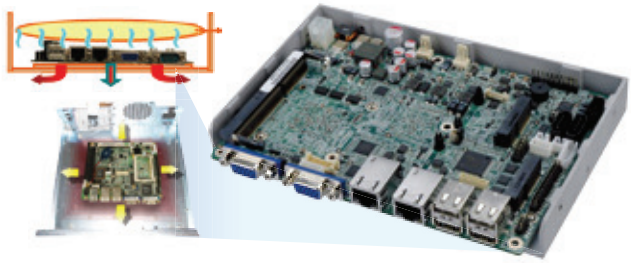
epic NANO-CV-D25502 N26002

EPIC SBC with Intel® Atom™ D2550 1.86GHz/ N2600 1.6GHz, DDR3, Dual VGA/LVDS, Dual GbE, USB 2.0, Dual PCIe Mini, SATA 3Gb/s and Audio

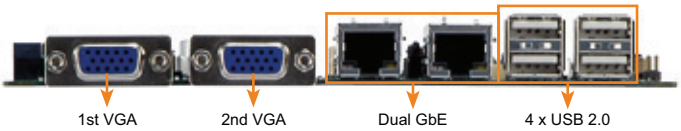


The innovation of thermal solution for EPIC

NANO-CV-D25502/N26002 is the first IEI EPIC board to be implemented enclosure heatsink for easy fanless assembly solution.



Most of the heat will be spread to by whole system surface



One Key Recovery | DDR3 1066 | SATA 3Gb/s | USB 2.0 | PCIe GbE | Dual Display

Launch in Q3

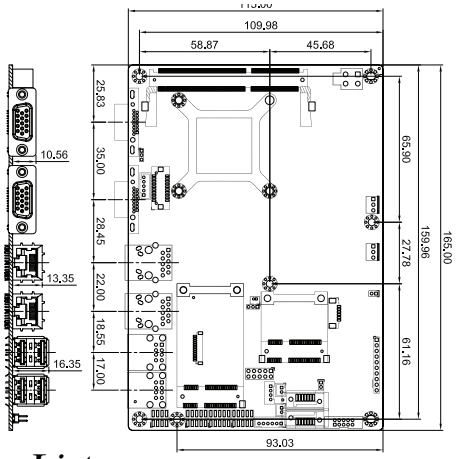
Features

1. EPIC form fator with Intel® Atom™ dual core D2550 1.86GHz/N2600 1.6GHz proccessor supporting DDR3 memory
2. Dual display support by dual VGA and 18/24-bit single channel LVDS
3. 1066/800HMz DDR3 SO-DIMM supported up to 4GB
4. Thermal design for easy assembly by enclosure heatsink
5. Wide power voltage range by 9V ~ 28V support
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

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
  1st VGA integrated in the CPU (1920x1200)
  2nd VGA driver via the NXP PTN3392 (1920x1200)
  LVDS1 integrated in the CPU
  Single-channel 24-bit LVDS by D2550, resolution support up to 1440x900
  Single-channel 18-bit LVDS by N2600 and N2800, resolution support up to 1366x768
- Ethernet
  Dual PCIe LAN controller by Realtek RTL8111E with ASF 2.0 support
- Super I/O
  Fintek F81866
- I/O interface
  6 x USB 2.0 — 2 x SATA 3Gb/s with SATA 5V power connector
  3 x RS-232 — 1 x RS-422/485
- Audio
  Realtek ALC662 HD codec
- Expansions
  1 x full-size PCIe Mini card slot with mSATA support
  1 x half-size PCIe Mini card slot
- Watchdog Timer
  Software programmable supports 1~255 sec. system reset
- Digital I/O
  8-bit programmable I/O
- Fan Connector
  1 x 4-pin CPU fan connector
  1 x 3-pin system fan connector
- Power supply
  9 ~ 28V, AT/ATX support
- Power Consumption
  12V@1.59A (Intel® dual core D2550 CPU with 1333MHz 4GB DDR3 memory)
  12V@1.23A (Intel® dual core N2600 CPU with 1333MHz 4GB 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
- Dimensions
  115 mm x 165 mm
- Weight
  GW: 850g/NW: 350g

Dimensions (Unit: mm)



Packing List

1 x NANO-CV-D25502/N26002 single board computer	
1 x SATA with power cable kit (P/N: 32801-000201-100-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	1 x One Key Recovery CD
1 x Power cable (P/N: 32100-087100-RS)	1 x Mini jumper pack
1 x RS-232 cable (P/N: 32205-002700-100-RS)	1 x Utility CD
1 x Enclosure heatsink	1 x QIG (Quick Installation Guide)

Ordering Information

Part No.	Description
NANO-CV-D25502-R10	EPIC SBC with Intel® Atom™ D2550 1.86GHz, DDR3, dual VGA/LVDS, dual GbE, USB 2.0, dual PCIe Mini, SATA 3Gb/s and Audio
NANO-CV-N26002-R10	EPIC SBC with Intel® Atom™ N2600 1.6GHz, DDR3, dual VGA/LVDS, dual GbE, USB 2.0, dual PCIe Mini, SATA 3Gb/s and Audio
NANO-CV-N28002-R10	EPIC SBC with Intel® Atom™ N2800 1.86GHz, DDR3, dual VGA/LVDS, dual GbE, USB 2.0, dual PCIe Mini, SATA 3Gb/s and Audio (by project support, MOQ 100pcs / lot)
32000-070301-RS	Dual-port USB cable
32100-043403-RS	ATX power cable
32205-002700-100-RS	RS-232 cable
32205-003800-100-RS	RS-422/485 cable, 200mm

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