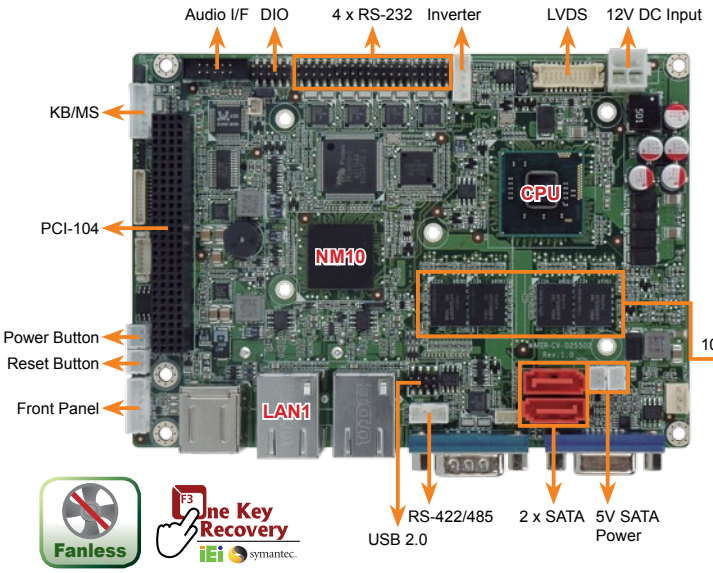
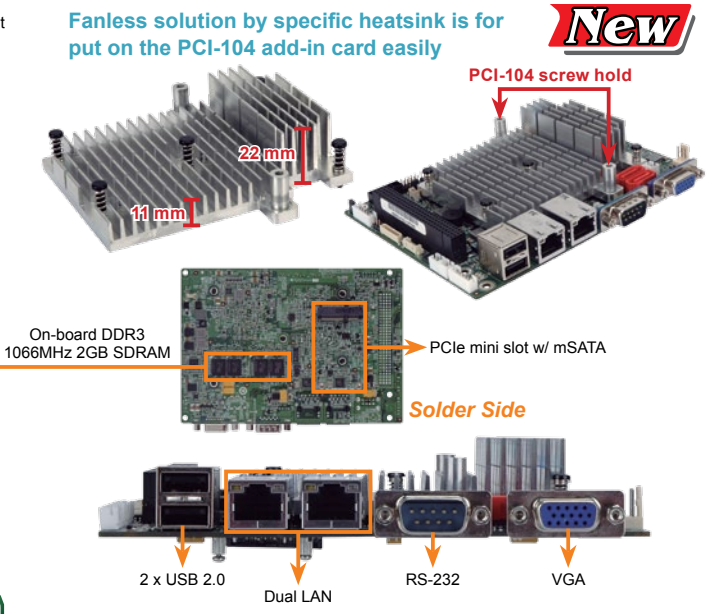
# WAFER-CV-D25502 N26002

**3.5" SBC supports Intel® Atom™ D2550/N2600 processor with 2GB DDR3 memory down, VGA/LVDS, Dual GbE, PCI-104, USB 2.0, SATA 3GB/s and Audio**




Fanless | One Key Recovery | Dual Core Atom™ | DDR3 1066 | mSATA | SATA 3Gb/s | USB 2.0 | GbE

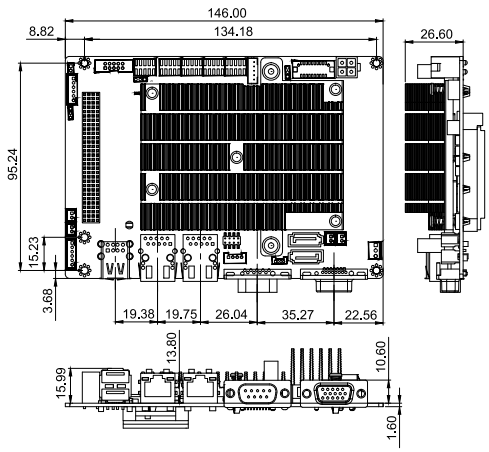
## Specifications

- CPU
  Intel® Atom™ dual core D2550 1.86 GHz/ 10W TDP processor
  Intel® Atom™ dual core N2600 1.6 GHz/ 3.5W TDP processor
  Intel® Atom™ dual core N2800 1.86 GHz/ 6.5W TDP processor (optional)
- System Chipset
  Intel® NM10
- BIOS
  UEFI BIOS
- Memory
  On-board DDR3 1066MHz 2GB SDRAM
- Graphic
  GMA 3650 with 640MHz graphic core speed for D2550 and N2800
  GMA 3600 with 400MHz graphic core speed for N2600
- Display Out
  1 x VGA Integrated in Intel® CPU (Resolution up to 1920x1200 for D2550/N2600/N2800)
  1 x LVDS integrated in D2550/N2600
  Single-channel 24-bit LVDS by D2550, resolution support up to 1440x900
  Single-channel 18-bit LVDS by N2600/N2800, resolution support up to 1366x768
- Ethernet
  Dual Realtek RTL8111E PCIe GbE controllers, LAN1 with ASF2.0 supported
- Super IO
  Fintek F81866
- I/O Interfaces
  5 x RS-232
  1 x RS-422/485
  1 x 6-pin wafer for PS/2 KB/MS
  2 x SATA 3Gb/s with 5V power connector
  4 x USB 2.0 (2 on rear I/O, 2 by pin header)
- Expansion
  1 x full size PCIe Mini card slot with mSATA support
  1 x PCI-104 slot supports PCI singal
- Audio
  Realtek ALC662 HD codec
- Digital I/O
  8-bit programmable I/O (4-bit in/ 4-bit out)
- Fan Connector
  1 x 3-pin (1x3) CPU fan connector (smart fan support)
- Watchdog Timer
  Software programmable support 1~255 sec. system reset
- Power Supply
  12V only, AT/ATX supported
- 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
- Power Consumption
  12V@1.19A (1.86GHz Intel® Atom™ D2550 with on-board 1GB 1066MHz DDR3 SDRAM)
  12V@0.95A (1.6GHz Intel® Atom™ N2600 with on-board 2GB 1066MHz DDR3 SDRAM)
- Dimensions
  146mm x 102mm
- Weight
  GW: 600g/ NW: 250g

## Features

1. 3.5" form fator supports Intel® Atom™ D2550/N2600 dual core processor with 2GB DDR3 memory down
2. 12V only single voltage design for AT/ATX power
3. 24-bit single channel LVDS via D2550 CPU or 18-bit single channel via N2600/N2800 CPU support
4. Supporting PCI-104 and mSATA capabilities
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Dimensions (Unit: mm)




## Packing List

| | |
|---|---|
| 1 x WAFER-CV-D25502/N26002 single board computer | |
| 2 x SATA with 5V output cable kit (P/N: 32801-000201-100-RS) | |
| 1 x Audio cable (P/N: 32000-072100-RS) | 1 x Mini jumper pack |
| 1 x Power cable (P/N: 32100-087100-RS) | 1 x QIG |
| 1 x PS/2 KB/MS cable (P/N: 32000-023800-RS) | 1 x Utility CD |
| 1 x RS-232 cable (P/N: 32200-000049-RS) | 1 x One key recovery CD |

## Ordering Information

| Part No. | Description |
|---|---|
| WAFER-CV-D25502-R10 | 3.5" SBC supports Intel® Atom™ D2550 1.86MHz processor with 2GB DDR3 memory down, VGA/LVDS, Dual GbE, PCI/104, USB 2.0, SATA 3GB/s and Audio |
| WAFER-CV-N26002-R10 | 3.5" SBC supports Intel® Atom™ N2600 1.6MHz processor with 2GB DDR3 memory down, VGA/LVDS, Dual GbE, PCI/104, USB 2.0, SATA 3GB/s and Audio |
| WAFER-CV-N28002-R10 | 3.5" SBC supports Intel® Atom™ N2800 1.86MHz processor with 2GB DDR3 memory down, VGA/LVDS, Dual GbE, PCI/104, USB 2.0, SATA 3GB/s and Audio (by project support, MOQ 100pcs / lot) |
| 32000-070301-RS | Dual ports USB cable |
| 32200-074800-RS | RS-422/485 cable |