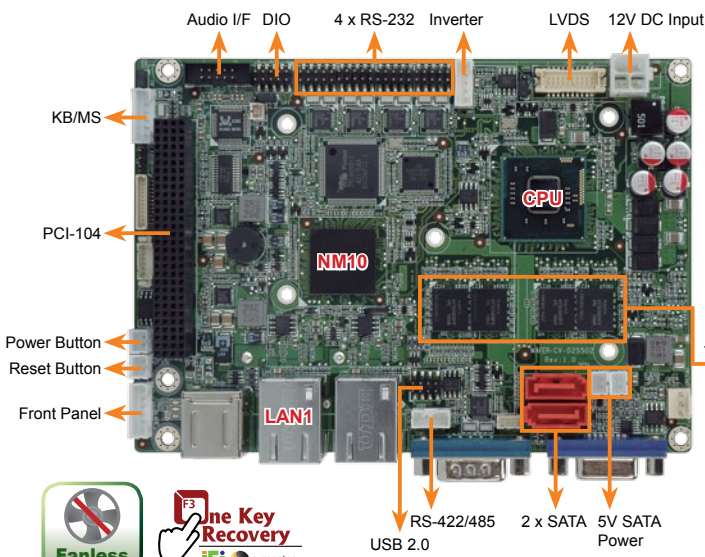
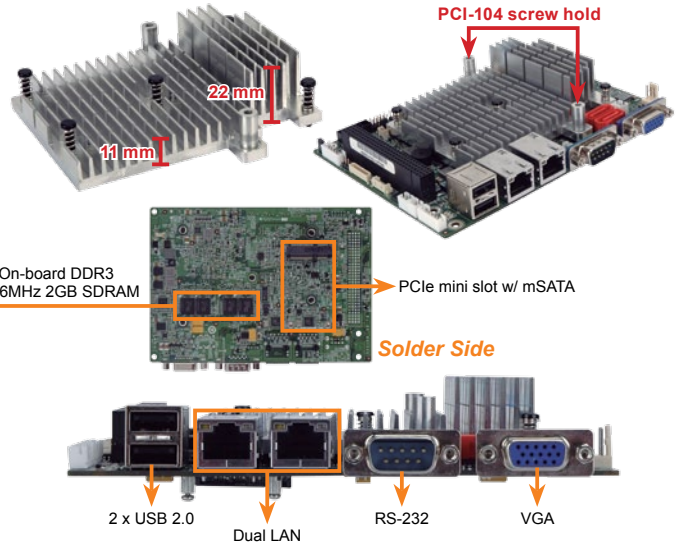


# WAFER-CV-D25502-N26002

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 solution by specific heatsink is for put on the PCI-104 add-in card easily



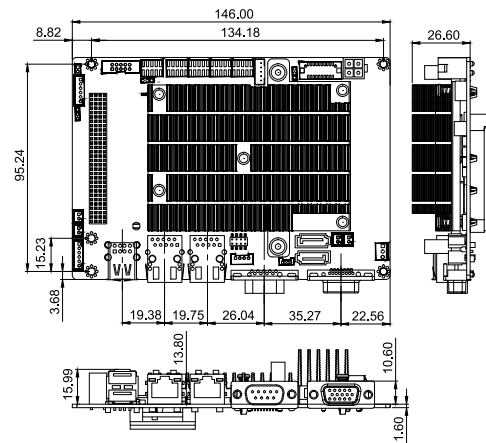
## Specifications

- ◆ 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

- 3.5" form factor supports Intel® Atom™ D2550/N2600 dual core processor with 2GB DDR3 memory down
- 12V only single voltage design for AT/ATX power
- 24-bit single channel LVDS via D2550 CPU or 18-bit single channel via N2600/N2800 CPU support
- Supporting PCI-104 and mSATA capabilities
- 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

- Industrial Computing Solutions
- Video Capture Solutions
- Embedded Computing Solutions
- ORing Network Communication
- Power Supply/ Peripherals
- Panel Solutions Introduction