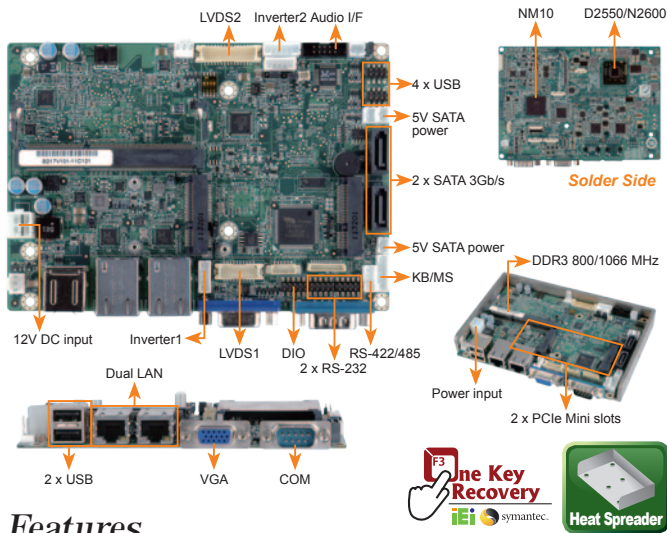


# WAFER-CV-D25501/N26001

3.5" SBC with Intel® Atom™ D2550/N2600 Processor, DDR3, VGA/Dual LVDS, Dual GbE, USB 2.0, SATA 3Gb/s, Audio and RoHS



## Features

- 3.5" form factor with Intel® Atom™ D2550/N2600 dual-core processor supporting DDR3/DDR3L (1.35V) memory
- 12V only single voltage design for AT/ATX power
- Open frame heatsink thermal design for fanless solutions
- Flexible VGA, 18/24-bit LVDS with dual display support
- Complete I/O: six USB, two SATA 3Gb/s, one mSATA, four COM and audio
- 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)
- 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.)
  - 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, resolution support up to 1366x768 @60Hz
  - LVDS2 supports 24-bit dual-channel by CH7511B DP to LVDS converter, resolution support up to 1920x1200 for D2550, 1600x1200 for N2600/N2800
- Ethernet**
  - Dual LAN: Realtek RTL8111E controllers
- Graphics**
  - GMA 3650 at 640MHz graphics core speed (for N2550 and N2800)
  - GMA 3600 at 400MHz graphics core speed (for N2600)
- I/O Interfaces**
  - 1 x RS-422/485
  - 1 x 6-pin wafer for PS/2 KB/MS
  - 3 x RS-232
  - 6 x USB 2.0
  - 2 x SATA 3Gb/s with 5V power connector
- Super IO:** Fintek F81866
- Digital I/O:** 8-bit digital I/O (4-bit input, 4-bit output)
- Expansions**
  - 1 x Full-size PCIe Mini card slot supporting mSATA SSD storage
  - 1 x Half-size PCIe Mini card slot
- Audio:** Realtek ALC662 HD audio codec
- Watchdog Timer**
  - Software programmable supports 1~255 sec. system reset
- Power Supply:** 12V only, AT/ATX support
- Fan Connector (smart fan support)**
  - 1 x 3-pin CPU fan connector
  - 1 x 3-pin system fan connector
- Power Consumption**
  - 12V@1.53A (Intel® D2550 1.86GHz CPU with 1GB DDR3 1066MHz memory)
  - 12V@1.15A (Intel® N2600 1.6GHz CPU with 1GB DDR3 1066MHz 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
- Storage Temperature:** -30°C ~ 80°C
- Operating Humidity:** 5% ~ 95%, non-condensing
- Weight:** GW: 600g/NW: 250g

## Packing List

1 x WAFER-CV-D25501/N26001 single board computer	
2 x SATA with 5V output cable (P/N: 32801-000201-300-RS)	
1 x RS-232 cable (P/N: 32200-000049-RS)	1 x One Key Recovery CD
1 x Audio cable (P/N: 32000-072100-RS)	1 x Heat spreader
1 x KB/MS cable (P/N: 32000-023800-RS)	1 x Mini jumper pack
1 x Power cable (P/N: 32100-087100-RS)	1 x Utility CD
1 x Screw set for PCIe Mini card	1 x QIG

## Ordering Information

Part No.	Description
WAFER-CV-D25501-R10	3.5" SBC with Intel® Atom™ D2550 1.86GHz, DDR3, VGA/dual LVDS, dual GbE, USB 2.0, SATA 3Gb/s, Audio, RoHS
WAFER-CV-N26001-R10	3.5" SBC with Intel® Atom™ N2600 1.6 GHz, DDR3, VGA/dual LVDS, dual GbE, USB 2.0, SATA 3Gb/s, Audio, RoHS
WAFER-CV-N28001-R10	3.5" SBC with Intel® Atom™ N2800 1.86GHz, DDR3, VGA/dual LVDS, dual GbE, USB 2.0, SATA 3Gb/s, Audio, RoHS (by project support, MOQ 100pcs / lot)
32000-070301-RS	Dual-port USB cable
32205-003800-300-RS	RS-422/485 cable, 200mm

www.ipc2u.ru

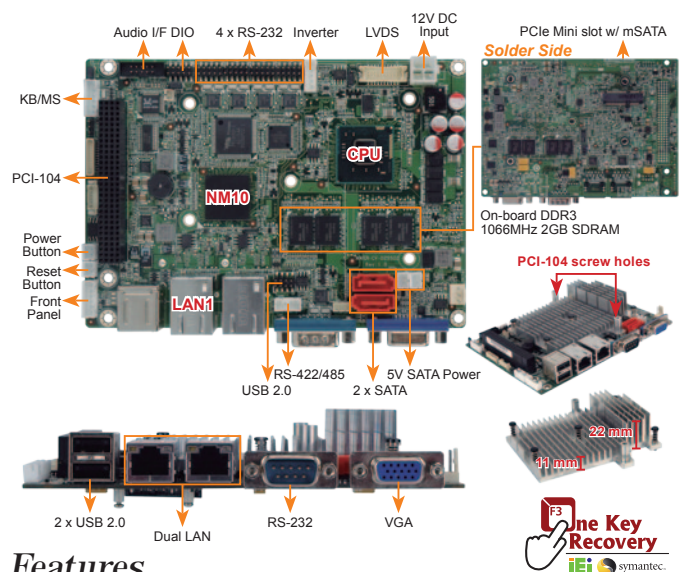
www.ipc2u.de

www.sovio.com

Date:01.06.2016

# WAFER-CV-D25502/N26002

3.5" SBC Supports Intel® Atom™ D2550/N2600 Processor with 2GB DDR3 Memory, VGA/LVDS, Dual GbE, PCI-104, USB 2.0, SATA 3Gb/s and Audio



## Features

- 3.5" form factor supports Intel® Atom™ D2550/N2600 dual-core processor with 2GB DDR3 memory
- 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
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## 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
- Graphics**
  - GMA 3650 with 640MHz graphics core speed for D2550 and N2800
  - GMA 3600 with 400MHz graphics 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 up to 1440x900
  - Single-channel 18-bit LVDS by N2600/N2800, resolution up to 1366x768
- Ethernet**
  - LAN1: Realtek RTL8111E controllers with ASF2.0 supported
  - LAN2: Realtek RTL8111E controllers
- Super IO:** Fintek F81866
- Digital I/O**
  - 8-bit programmable I/O (4-bit in/ 4-bit out)
- I/O Interfaces**
  - 5 x RS-232
  - 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 signal
- Audio:** Realtek ALC662 HDA codec
- 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
- 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)
- 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
- Storage Temperature:** -30°C ~ 80°C
- Operating Humidity:** 5% ~ 95%, non-condensing
- Dimensions:** 146 mm x 102 mm
- Weight:** GW: 600g/ NW: 250g

## Packing List

1 x WAFER-CV-D25502/N26002 single board computer	
2 x SATA with 5V output cable kit (P/N: 32801-000201-300-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, 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, 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, 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
32205-003800-300-RS	RS-422/485 cable