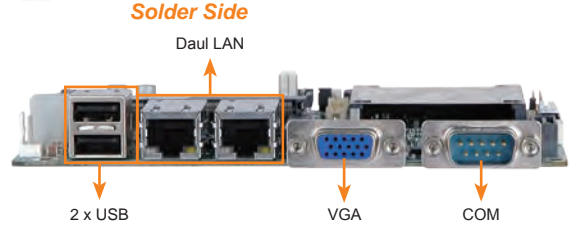
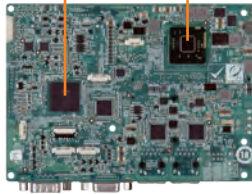
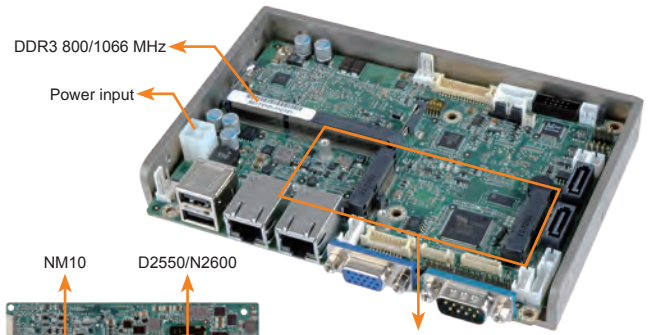
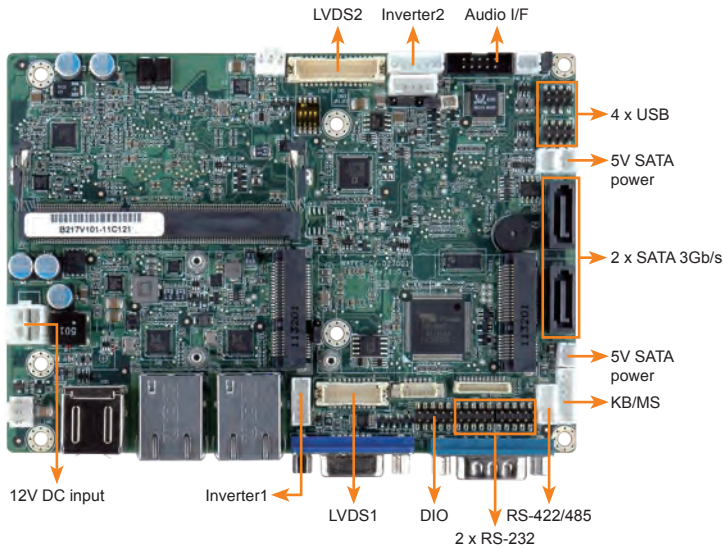


# WAFER-CV-D25501-N26001

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



## Specifications

- ◆ CPU
  - Intel® Atom™ D2550 (1.86GHz, dual-core, 1MB cache)
  - Intel® Atom™ N2600 (1.6GHz, dual-core, 1MB cache)
  - Intel® Atom™ N2800 (1.86GHz, dual-core, 1MB cache)
- ◆ Chipset
  - Intel® NM10
- ◆ BIOS
  - UEFI BIOS
- ◆ Memory
  - One 204-pin 1066 MHz DDR3 SDRAM SO-DIMM slot supports up to 4 GB (D2550/N2800) or 2 GB (N2600)
- ◆ Display Output
  - Dual display supported
  - VGA (up to 1920x1200@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 screen to CRT mode.)
  - 24-bit single-channel LVDS1 (D2550) (up to 1440x900@60Hz)
  - 18-bit single-channel LVDS1 (N2600/N2800) (up to 1366x768@60Hz)
  - 24-bit dual-channel LVDS2 (up to 1920x1200 (D2550) or 1600x1200 (N2600/N2800)@60Hz)
- ◆ Graphics
  - GMA 3650 at 640 MHz graphics core speed (for N2550 and N2800)
  - GMA 3600 at 400 MHz graphics core speed (for N2600)
- ◆ Ethernet
  - Dual LAN: Realtek RTL8111E controllers
- ◆ External I/O Interface
  - 1 x RS-232
  - 2 x USB 2.0
- ◆ Internal I/O Interface
  - 1 x KB/MS (1x6 pin)
  - 1 x RS-422/485 (1x4 pin, P=2.0)
  - 2 x RS-232 (2x5 pin, P=2.0)
  - 2 x SATA 3Gb/s with 5V SATA power connector
  - 4 x USB 2.0 (2x4 pin, P=2.0)
- ◆ Digital I/O
  - 8-bit digital I/O (2x5 pin)
- ◆ Expansion
  - 1 x Full-size PCIe Mini card slot (supports mSATA, colay with SATA port 2)
  - 1 x Half-size PCIe Mini card slot
- ◆ Audio
  - Realtek ALC662 HD codec
  - 1 x Front audio (2x5 pin)
- ◆ Watchdog Timer
  - Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
  - 12V only DC input
  - 1 x Internal power connector (2x2 pin)
  - Support AT/ATX mode
- ◆ Fan Connector (smart fan support)
  - 1 x CPU smart fan (1x3 pin)
  - 1 x System smart fan (1x3 pin)
- ◆ Power Consumption
  - 12V@1.53A (Intel® D2550 1.86GHz CPU with one 1 GB 1066 MHz DDR3 memory)
  - 12V@1.15A (Intel® N2600 1.6GHz CPU with one 1 GB 1066 MHz 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
- ◆ Storage Temperature: -30°C ~ 80°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Weight: GW: 600g / NW: 250g



## Features

- 3.5" form factor with Intel® Atom™ D2550/N2600 dual-core processor supporting DDR3 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

## Packing List

1 x WAFER-CV-D25501/N26001 single board computer	
1 x Audio cable	
1 x KB/MS cable	1 x One Key Recovery CD
1 x Power cable	1 x Heat spreader
1 x RS-232 cable	1 x Mini jumper pack
1 x Screw set for PCIe Mini card	1 x Utility CD
2 x SATA with 5V output cable	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)
32001-008600-200-RS	Dual-port USB cable, 210mm, P=2.0
32205-003800-300-RS	RS-422/485 cable, 200mm, P=2.0

\*\*By order production, MOQ: 100