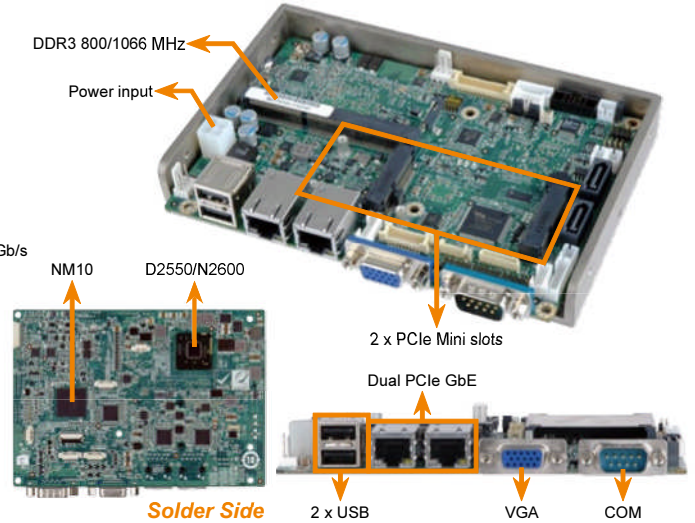
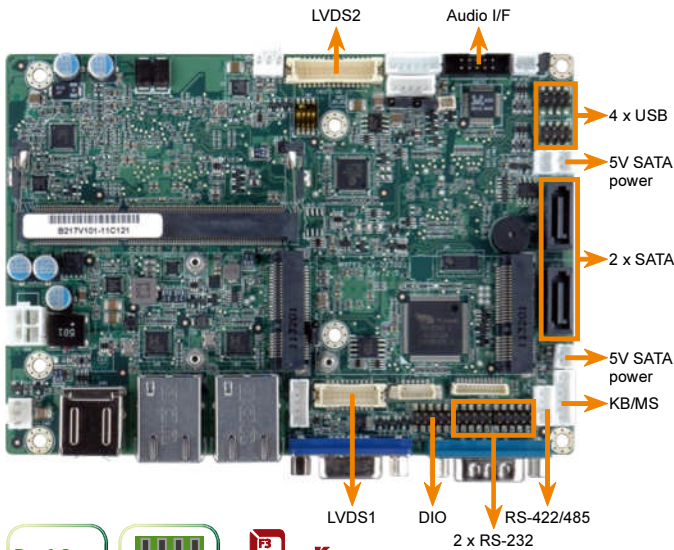


WAFER-CV-D25501-N26001

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



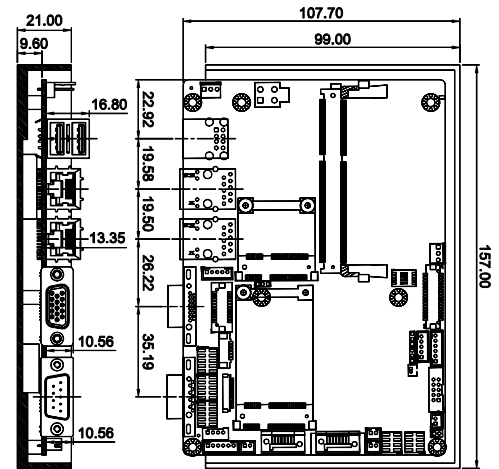
Specifications

- ◆ CPU
 - Intel® 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
 - Dual display supported
 - 1 x VGA (It may appear the black screen when installed GMA driver at the first time under only VGA output display. There has one solution by press hot key "Alt + Ctrl + F1" to switch the screen to VGA monitor. It's a limitation by Intel's GMA driver.)
 - LVDS1 integrated in the D2550/N2600
 - Single-channel 24-bit LVDS by D2550, resolution support up to 1440x900
 - Single-channel 18-bit LVDS by N2600, resolution support up to 1366x768
 - 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 GbE by Realtek RTL8111E controllers
- ◆ I/O Interfaces
 - 1 x RS-422/485
 - 3 x RS-232
 - 6 x USB 2.0
 - 1 x 6-pin wafer for PS/2 KB/MS
 - 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
 - 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
- ◆ Operating Humidity
 - 5% ~ 95%, non-condensing
- ◆ Weight
 - GW: 600g/NW: 250g

Features

1. 3.5" form factor with Intel® Atom™ D2550/N2600 dual-core processor supporting DDR3/DDR3L (1.35V) memory
2. 12V only single voltage design for AT/ATX power
3. Open frame heatsink thermal design for fanless solutions
4. Flexible VGA, 18/24-bit LVDS with dual display support
5. Complete I/O: six USB, two SATA 3Gb/s, one mSATA, four COM and audio
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (Unit: mm)



Packing List

| | |
|--|-------------------------|
| 1 x WAFER-CV-D25501/N26001 single board computer | |
| 2 x SATA with 5V output cable (P/N: 32801-000201-100-RS) | |
| 1 x RS-232 cable (P/N: 32205-002700-100-RS) | 1 x One Key Recovery CD |
| 1 x Audio cable (P/N: 32000-072100-RS) | 1 x Enclosure heatsink |
| 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) |
| 32001-008600-100-RS | Dual-port USB cable |
| 32205-003800-100-RS | RS-422/485 cable, 200mm |