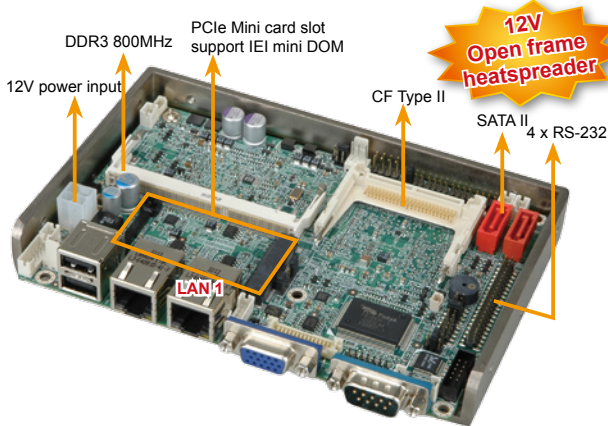
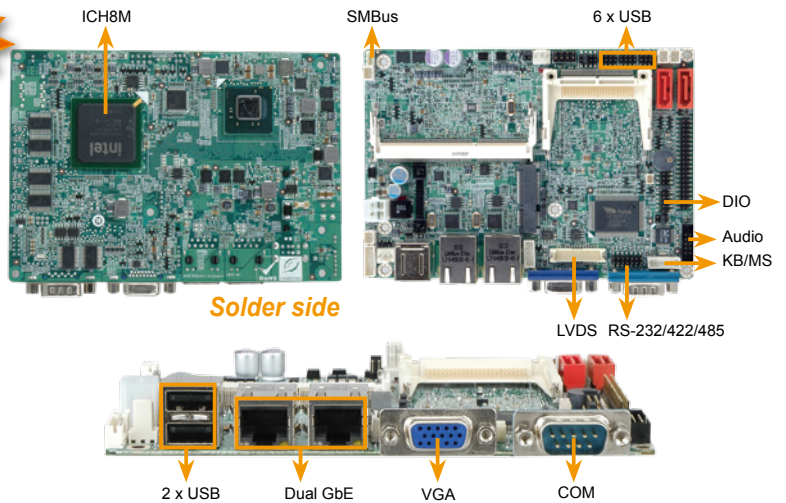


WAFER-PV-D4252 N4552 D5252

3.5" SBC with Intel® Atom™ D425/N455/D525, DDR3, VGA/LVDS, Dual GbE, USB 2.0 and SATA II, Audio, RoHS



12V Open frame heatspreader



Solder side

Specifications

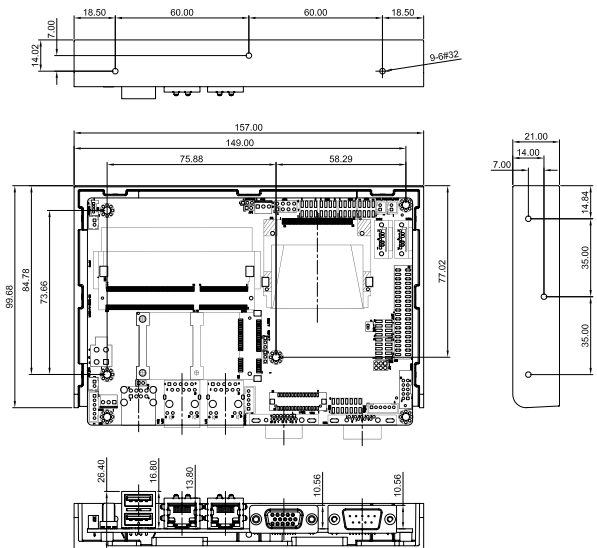
- ◆ CPU
 - Intel® Atom™ D525 dual-core processor 1.8GHz / 1MB L2 cache
 - Intel® Atom™ D425 single-core processor 1.8GHz / 512KB L2 cache
 - Intel® Atom™ N455 single-core processor 1.66GHz / 512KB L2 cache
- ◆ Chipset
 - Intel® ICH8M
- ◆ BIOS
 - UEFI BIOS
- ◆ Memory
 - One 204-pin 800MHz DDR3 SDRAM SO-DIMM supported (System max. 2GB)
- ◆ Graphic
 - GMA 3150
 - Graphic core speed 400MHz for D525/ D425
 - Graphic core speed 200MHz for N455
- ◆ Display Interface
 - Analog CRT up to 2048x1536 for D525/ D425, 1400x1050 for N455
 - Support for CRT hot plug
 - Single-channel 18-bit LVDS
- ◆ Ethernet
 - Dual GbE by Realtek RTL8111E, LAN1 with ASF2.0 support
- ◆ I/O Interfaces
 - 5 x RS-232 1 x RS-232/422/485 with Auto Flow control
 - 1 x KB/MS 2 x SATA II
 - 8 x USB 2.0 1 x CF Type II
- ◆ Digital I/O
 - 8-bit digital I/O, 4-bit input / 4-bit output
- ◆ Expansion
 - 1 x PCIe Mini card slot (PCIe + USB + SATA signal) support IEI mini DOM
- ◆ Audio
 - Realtek ALC888 HD Codec
- ◆ Watchdog Timer
 - Software programmable support 1~255 sec. system reset by Super I/O
- ◆ Power Supply
 - 12V only, AT/ATX support
- ◆ Super IO
 - Fintek F81865F
- ◆ FAN Connector
 - 1 x 3-pin CPU fan
 - 1 x 3-pin system fan
- ◆ SMBus
 - 1 x 4-pin wafer connector
- ◆ Power Consumption
 - 12V@1.79A (Intel® Atom™ D525 1.8GHz with DDR3 1GB)
- ◆ Temperature
 - 20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D525 processor
 - 20°C ~ 65°C with free air, -20°C ~ 70°C with force air for D425 processor
 - 20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N455 processor
- ◆ Humidity
 - Operation: 5% ~ 95%, non-condensing
- ◆ Weight
 - GW: 600g / NW: 250g



Features

1. 3.5" form factor with Intel® Atom™ D525 / D425 / N455 processor support DDR3 memory
2. 12V only Single Voltage design for AT/ATX Power
3. Open frame heatsink thermal design for fanless solution
4. Support VGA and 18-bit single-channel LVDS with dual-display support
5. Complete I/O with eight USB, two SATA II, one CF II, six COM and audio
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Ordering Information

Part No.	Description
WAFER-PV-D5252-R10	3.5" SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/LVDS, Dual GbE, USB2.0 and SATA II, audio, RoHS
WAFER-PV-D4252-R10	3.5" SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/LVDS, Dual GbE, USB2.0 and SATA II, audio, RoHS
WAFER-PV-N4552-R10	3.5" SBC with Intel® Atom™ N455 1.66GHz, DDR3, VGA/LVDS, Dual GbE, USB2.0 and SATA II, audio, RoHS
32000-070301-RS	Dual port USB cable
32205-000300-100-RS	RS-232/RS422/485 cable

Packing List

1 x WAFER-PV-D4252/N4552/D5252 single board computer	
1 x KB/MS cable (P/N: 32000-023800-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	
1 x SATA with 5V output cable Kit (P/N: 32801-000201-100-RS)	
1 x Quad RS-232 cable (P/N: 32200-025401-RS)	
1 x Power cable (P/N: 32100-087100-RS)	
1 x Enclosure heatsink	1 x Mini jumper pack
1 x QIG	1 x Utility CD