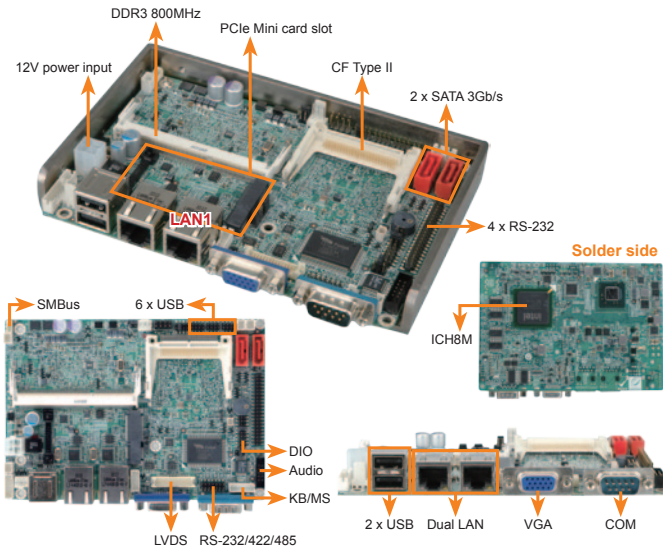


WAFER-PV-N4552/D5252

3.5" SBC with Intel® Atom™ D425/N455/D525, DDR3, VGA/LVDS, Dual GbE, USB 2.0 and SATA 3Gb/s, Audio, RoHS



Features

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

Specifications

- CPU**
Intel® Atom™ D525 dual-core processor 1.8GHz/1MB 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. 4GB for D525/D425)
One 204-pin 800MHz DDR3 SDRAM SO-DIMM supported (system max. 2GB for N455)
- 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 hotplug
Single-channel 18-bit LVDS
- I/O Interfaces**
1 x KB/MS 2 x SATA 3Gb/s
8 x USB 2.0 1 x CF Type II
5 x RS-232
1 x RS-232/422/485 with auto flow control
- Ethernet**
LAN1: Realtek RTL8111E controllers with ASF2.0 support
LAN2: Realtek RTL8111E controllers
- Digital I/O:** 8-bit digital I/O, 4-bit input/4-bit output
- Expansion**
1 x PCIe Mini card slot
- Audio**
Realtek ALC662 HD Audio Codec
- Watchdog Timer**
Software programmable supports 1~255 sec. system reset by Super I/O
- Power Supply**
12V only, AT/ATX support
- Super I/O**
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 1GB DDR3)
- Operating Temperature**
-10°C ~ 60°C
- Storage Temperature**
-20°C ~ 70°C
- Operating Humidity:** 5% ~ 95%, non-condensing
- Weight:** GW: 600g/NW: 250g

Packing List

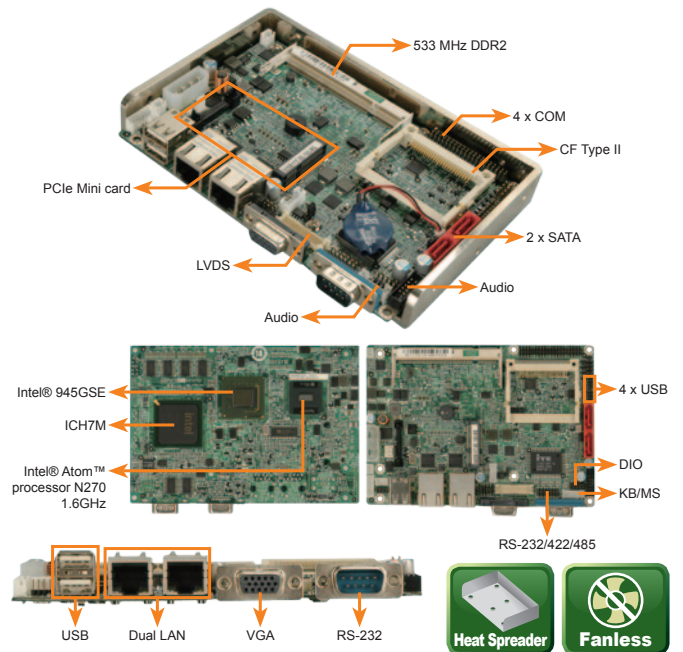
1 x WAFER-PV-N4552/D5252 single board computer	
1 x SATA with 5V output cable (P/N: 32801-000201-300-RS)	
1 x Quad RS-232 cable (P/N: 32200-025401-RS)	
1 x KB/MS cable (P/N: 32000-023800-RS)	1 x One Key Recovery CD
1 x Audio cable (P/N: 32000-072100-RS)	1 x Mini jumper pack
1 x Heat spreader	1 x Utility CD
1 x Power cable (P/N: 32100-087100-RS)	1 x QIG

Ordering Information

Part No.	Description
WAFER-PV-D5252-R11	3.5" SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/LVDS, dual GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS
WAFER-PV-N4552-R11	3.5" SBC with Intel® Atom™ N455 1.66GHz, DDR3, VGA/LVDS, dual GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS
32000-070301-RS	Dual-port USB cable
32200-026500-RS	RS-232/RS-422/485 cable

WAFER-945GSE-R20

3.5" SBC with Intel® Atom™ Processor, VGA/LVDS/Dual PCIe GbE, CF Type II, SATA



Features

1. Intel® Atom™ processor N270 1.6 GHz CPU for ultra low voltage fanless support
- Support dual display for VGA+LVDS
- System memory supports up to 2 GB 533 MHz DDR2
- Support six COM, six USB 2.0, two SATA and CF Type II socket
- Thermal design for easy assembly
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU**
Intel® Atom™ Processor N270 1.6 GHz with 533 MHz FSB
- System Chipset**
Intel® 945GSE/Intel® 82801GBM/ICH7M
- BIOS**
AMI BIOS
- Memory**
One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- Ethernet**
Dual LAN: Realtek RTL8111E controllers with ASF2.0 support
- I/O Interface**
6 x USB 2.0 2 x SATA
5 x RS-232 1 x RS-232/422/485
1 x CF Type II 1 x PS/2 for KB/MS
- Digital I/O**
8-bit digital I/O (4-bit input, 4-bit output)
- Expansion**
1 x PCI Express Mini card
- Audio**
Realtek ALC662 with HD Audio codec
- Display Interface**
Intel® Graphics Media Accelerator 950
VGA intergrated in Intel® 945GSE
18-bit dual-channel LVDS intergrated in Intel® 945GSE
- Power Supply**
5V only, 12V for LCD/System FAN, AT/ATX support
- Super IO**
ITE IT8718
- Watchdog Timer**
Software programmable 1-255 sec. by super I/O
- Operating Temperature**
0°C ~ 60°C (WAFER-945GSE-N270-R20)
-20°C ~ 70°C (WAFER-945GSE-N270W-R20)
-40°C ~ 85°C (WAFER-945GSE-N270W2-R20)
- Operating Humidity:** 5% ~ 95%, non-condensing
- Power Consumption**
5V@2.94A (Intel® Atom™ N270 1.6G with 1GB DDR2)
- Dimensions:** 146 mm x 102 mm
- Weight:** GW: 700g/NW 230g

Packing List

1 x WAFER-945GSE single board computer	
1 x Quad RS-232 cable (P/N: 32200-025401-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	1 x One Key Recovery CD
1 x Heat spreader	1 x Mini jumper pack
1 x KB/MS cable (P/N: 32000-023800-RS)	1 x Utility CD
2 x SATA cable (P/N: 32000-062800-RS)	1 x QIG

Ordering Information

Part No.	Description
WAFER-945GSE-N270-R20	3.5" SBC with Intel® Atom™ processor N270 1.6G, VGA/LVDS, dual GbE, CF Type II, USB, SATA
WAFER-945GSE-N270W-R20	3.5" SBC with Intel® Atom™ processor N270 1.6G, VGA/LVDS, dual GbE, CF Type II, USB, SATA, -20°C~70°C
WAFER-945GSE-N270W2-R20	3.5" SBC with Intel® Atom™ processor N270 1.6G, VGA/LVDS, dual GbE, CF Type II, USB, SATA, -40°C~85°C
32000-070301-RS	Dual-port USB cable
32200-026500-RS	RS-232/422/485 cable
32102-022100-100-RS	ATX power cable
32102-000100-200-RS	SATA power cable