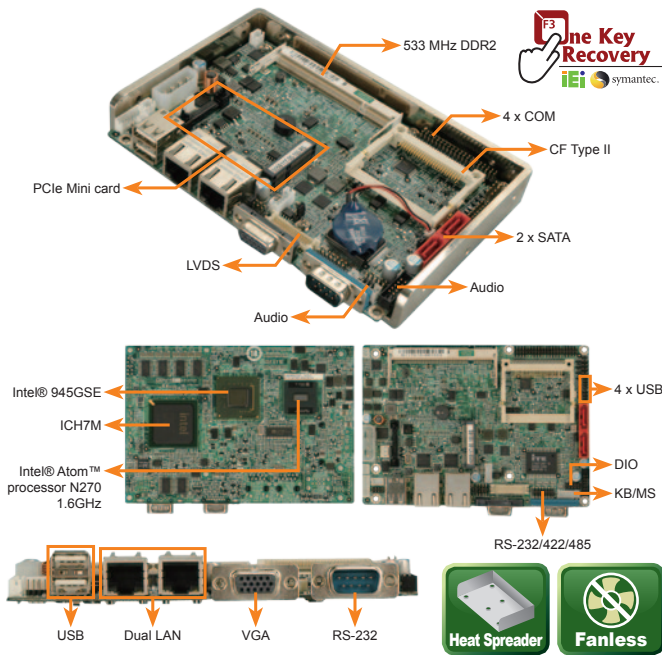


WAFER-945GSE

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



Features

- 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 (1.6GHz, single-core, 512KB cache)
- ◆ Chipset: Intel® 945GSE/Intel® 82801 GBM/ICH7M
- ◆ BIOS: AMI BIOS
- ◆ Memory: One 200-pin 400/533 MHz DDR2 SDRAM SO-DIMM slot supports up to 2 GB
- ◆ Ethernet: Dual LAN: Realtek RTL8111E controllers with ASF2.0 support
- ◆ External I/O Interface: 1 x RS-232, 2 x USB 2.0
- ◆ Internal I/O Interface: 1 x CF Type II, 1 x KB/MS (1x6 pin), 4 x RS-232 (2x5 pin, P=2.0), 1 x RS-232/422/485 (2x7 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: 1 x 8-bit digital I/O (2x5 pin)
- ◆ Expansion: 1 x Full-size PCIe Mini card slot
- ◆ Audio: Realtek ALC662 with HD Audio codec
- ◆ Display Output: VGA (up to QXGA 2048x1536@60Hz), 18-bit dual-channel LVDS (up to UXGA 1600x1200@60Hz)
- ◆ Power Supply: 5V only DC input, 12V for LCD/system fan, 1 x Internal power connector (1x4 pin), Support AT/ATX mode
- ◆ Super IO: ITE IT8718
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Operating Temperature: 0°C ~ 60°C (WAFER-945GSE-N270-R20), -20°C ~ 70°C (WAFER-945GSE-N270W-R20)
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Power Consumption: 5V@2.94A (Intel® Atom™ N270 1.6G with 1 GB DDR2)
- ◆ Dimensions: 146 mm x 102 mm
- ◆ Weight: GW: 700g/NW 230g

Packing List

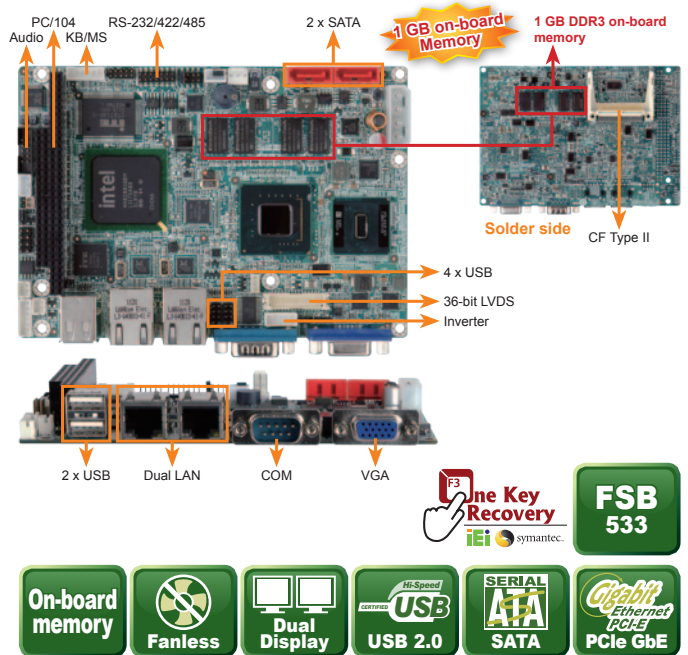
1 x WAFER-945GSE single board computer	1 x Heat spreader
1 x Audio cable	1 x Mini jumper pack
1 x KB/MS cable	1 x One Key Recovery CD
1 x Quad RS-232 cable	1 x QIG
2 x SATA cable	1 x Utility CD

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
32001-008600-200-RS	Dual-port USB cable, 210mm, P=2.0
32102-000100-200-RS	SATA power cable, 150mm, P=5.08
32102-022100-100-RS	ATX power cable, 300mm
32200-026500-RS	RS-232/422/485 cable, 290mm, P=2.0

WAFER-945GSE2

3.5" SBC with Intel® Atom™ N270 1.6G, VGA/LVDS, Dual GbE, CF Type II, USB, SATA, 1 GB on-board Memory and PC/104



Features

- Intel® Atom™ N270 1.6GHz processor for ultra low voltage fanless support
- Support VGA and LVDS for dual display
- On-board 1 GB DDR2 memory
- Support two COM, six USB 2.0, two SATA and one CF Type II socket
- Support PC/104 ISA expansion slot
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU: Intel® Atom™ processor N270 (1.6GHz, single-core, 512KB cache)
- ◆ System Chipset: Intel® 945GSE
- ◆ BIOS: AMI BIOS
- ◆ Memory: 1 GB soldered-down 400 MHz DDR2 memory
- ◆ 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 CF Type II, 1 x KB/MS (1x6 pin), 1 x RS-232/422/485 (2x7 pin, P=2.0), 2 x SATA 1.5Gb/s, 4 x USB 2.0 (2x4 pin, P=2.0), 4 x USB 2.0 (2x5 pin, P=2.0)
- ◆ Digital I/O: 1 x 8-bit digital I/O (2x5 pin)
- ◆ Super IO: ITE IT8718
- ◆ Expansion: 1 x PC/104 slot (ISA Bus, not support DMA Mode)
- ◆ Audio: Realtek ALC662 with HD Audio codec
- ◆ Display Output: VGA (up to QXGA 2048x1536@60Hz), 18-bit dual-channel LVDS (up to UXGA 1600x1200@60Hz)
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Power Supply: 5V only DC input, 12V for LCD/system fan, 1 x Internal power connector (1x4 pin), Support AT/ATX mode
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset by super I/O
- ◆ Operating Temperature: 0°C ~ 60°C (WAFER-945GSE2-N270-R20), -20°C ~ 70°C (WAFER-945GSE2-N270W-R20)
- ◆ Storage Temperature: -30°C ~ 80°C
- ◆ Operating Humidity: 5% ~ 95%, non-condensing
- ◆ Power Consumption: 5V@2.36A (Intel® Atom™ N270 with onboard 1 GB 400 MHz DDR2 memory)
- ◆ Dimensions: 146 mm x 102 mm
- ◆ Weight: GW: 700g/NW 230g

Packing List

1 x WAFER-945GSE2 single board computer	
1 x Audio cable	1 x Mini jumper pack
1 x KB/MS cable	1 x One Key Recovery CD
2 x SATA cable	1 x QIG
4 x Plastic intermediate pole for PC/104	1 x Utility CD

Ordering Information

Part No.	Description
WAFER-945GSE2-N270-R20	3.5" SBC with Intel® Atom™ processor N270 1.6G, VGA/LVDS, Dual GbE, CF Type II, USB, SATA, on board 1 GB memory and PC/104
WAFER-945GSE2-N270W-R20	3.5" SBC with Intel® Atom™ processor N270 1.6G, VGA/LVDS, Dual GbE, CF Type II, USB, SATA, on board 1 GB memory and PC/104, -20°C ~ 70°C
32001-008600-200-RS	Dual-port USB cable, 210mm, P=2.0
32102-000100-200-RS	SATA power cable, 150mm, P=5.08
32102-022100-100-RS	ATX power cable, 300mm
32200-026500-RS	RS-232/422/485 cable, 290mm, P=2.0