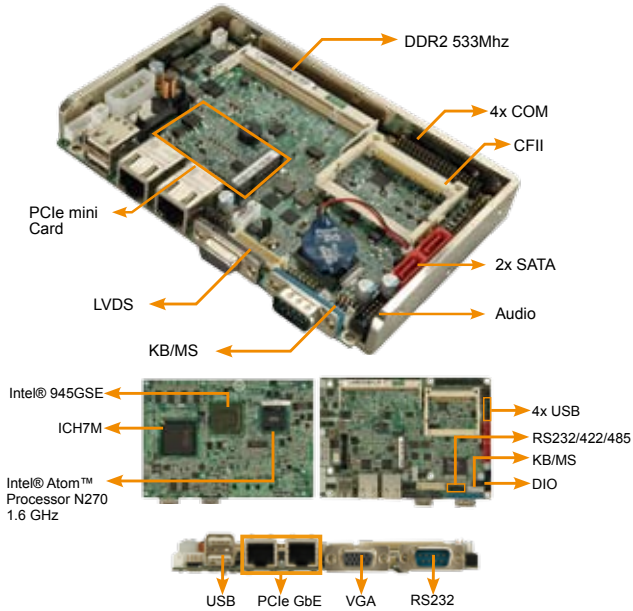


WAFER-945GSE

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 fan-less support
2. Support Dual display for VGA+LVDS
3. System memory support up to 2GB/DDR2 533 Mhz
4. Support 6 x COM , 6 x USB2.0 , 2 x SATA and CF typell socket
5. Thermal design for easy assembly

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 PCIe Realtek 8111CP GbE chipset
- ◆ I/O Interface
6 x USB 2.0 2 x SATA
5 x RS-232 1 x RS-232/422/485
1 x PS/2 for KB/MS 1 x CF Type II
- ◆ Digital I/O
8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Expansions
1x PCI express mini card
- ◆ Audio
Realtek ALC655 with AC'97 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
- ◆ Temperature
Operation: 0°C ~ 60°C (WAFER-945GSE-N270-R10)
Operation: -20°C ~ 70°C (WAFER-945GSE-N270W-R10)
Operation: -40°C ~ 85°C (WAFER-945GSE-N270W2-R10)
- ◆ Humidity
Operation: 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

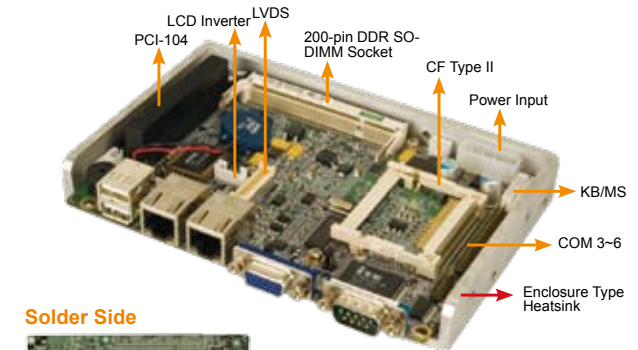
1 x WAFER-945GSE single board computer
1 x Quad RS-232 cable (P/N: 32200-025401-RS)
2 x SATA cable (P/N: 32000-062800-RS)
1 x KB/MS cable (P/N: 32000-023800-RS)
1 x Audio cable (P/N: 32000-072100-RS)
1 x Enclosure heatsink
1 x Mini jumper pack
1 x Utility CD
1 x QIG

Ordering Information

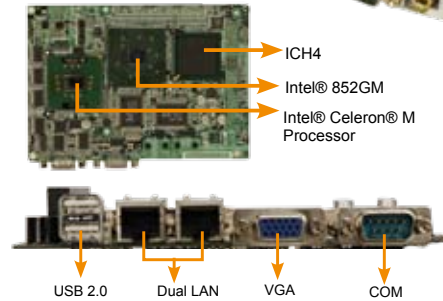
Part No.	Description
WAFER-945GSE-N270-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, Dual GbE,CFII, USB, SATA
WAFER-945GSE-N270W-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G,VGA/LVDS, Dual GbE,CFII,USB,SATA, -20~70°C
WAFER-945GSE-N270W2-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G,VGA/LVDS, Dual GbE,CFII,USB,SATA, -40~85°C
32000-070301-RS	Dual port USB cable
32200-026500-RS	RS-232/422/485 cable
32100-052100-RS	ATX power cable
32100-088600-RS	SATA power cable
IO-KIT-4COM-R10	4 COM ports adapter board

WAFER-8522

3.5" SBC, Intel® Pentium® M/ Celeron® M CPU with VGA/LVDS, VGA, Dual GbE, USB 2.0 and Audio



Solder Side



Features

1. 3.5" form factor with ULV Intel® Celeron® M CPU
2. CPU and chipset on the solder side easy for system thermal solution
3. DDR266MHz SO-DIMM up to 1GB
4. VGA, 18-bit dual-channel LVDS
5. CF Type II, USB 2.0, 6 x RS-232 and Audio

Specifications

- ◆ CPU
On board Intel® Celeron® M 1GHz/600MHz 512KB or 1GHz zero cache processor
- ◆ System Chipset
Intel® 852GM + ICH4
- ◆ BIOS
AMI BIOS
- ◆ System Memory
One 200-pin 266/200MHz DDR SDRAM SO-DIMM supported (system max. 1GB)
- ◆ Ethernet
Dual Realtek RTL8110SC GbE chipset
- ◆ I/O Interface
5 x RS-232
1 x RS-232/422/485
4 x USB 2.0
1 x IDE
1 x PS/2 for KB/MS
- ◆ Expansions
PCI-104 (PCI Bus)
- ◆ Super I/O
ITE IT8712F
- ◆ Display Interface
VGA integrated in Intel® 852GM
18-bit dual-channel LVDS
- ◆ Audio
Realtek ALC655 with AC'97 codec
- ◆ SSD
CF Type II
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
AT/ATX support
5V@3.43A, 12V@0.13A
(Celeron® M 1GHz CPU with 1GB 266 MHz DDR)
- ◆ Temperature
Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity
Operating: 5% ~95% non-condensing
- ◆ Dimensions
146 mm x 102 mm
- ◆ Weight
GW: 700g / NW: 175g

Packing List

1 x WAFER-8522 single board computer
1 x IDE flat cable 44p/44p (P/N: 32200-000009-RS)
1 x 4 RS-232 adapter cable (P/N: 32200-025401-RS)
1 x PS/2 KB/MS cable (P/N: 32000-043301-RS)
1 x Audio cable (P/N: 32000-072100-RS)
1 x Enclosure heatsink
1 x Mini jumper pack
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
WAFER-8522-1GZ-R10	3.5" SBC with ULV Intel® Celeron® 1GHz Zero Cache CPU with VGA/LVDS, Dual GbE, USB 2.0, and audio
WAFER-8522-600-R10	3.5" SBC with ULV Intel® Celeron® 600MHz 512KB Cache CPU with VGA/LVDS, Dual GbE, USB 2.0, and audio
WAFER-8522-1G512-R10	3.5" SBC with ULV Intel® Celeron® 1GHz 512KB Cache CPU with VGA/LVDS, Dual GbE, USB 2.0, and audio
19800-000110-RS	RS-232/422/485 cable
32000-070301-RS	USB cable
IO-KIT-4COM-R10	4 COM ports adapter board