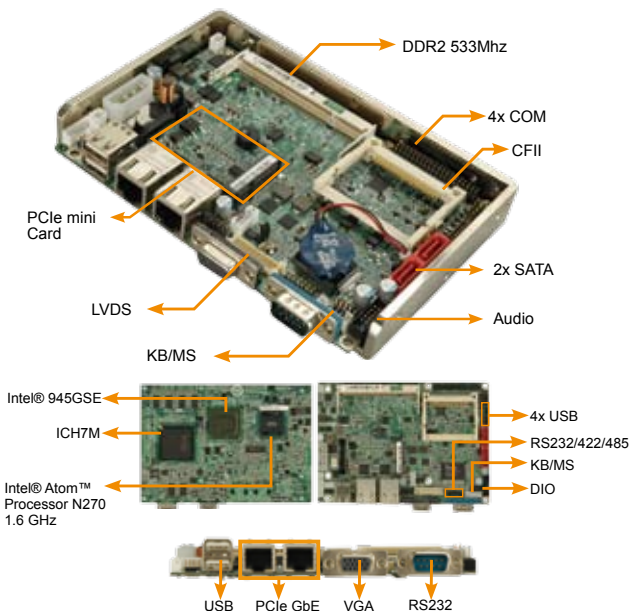


WAFER-945GSE

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 integrated in Intel® 945GSE 18-bit dual-channel LVDS integrated 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 ~ 60°C (32 ~ 140°F)
- ◆ 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

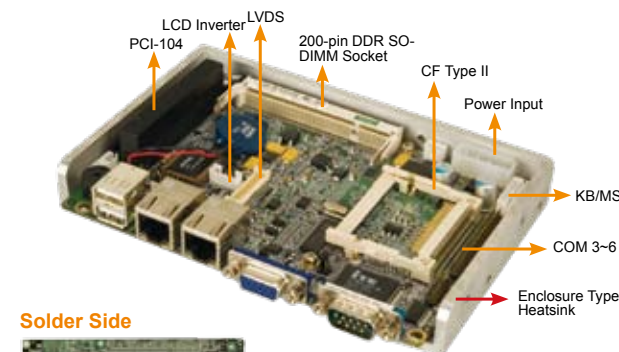
1 x WAFER-945GSE single board computer	
1 x Quad RS-232 cable (P/N: 32200-025401-RS)	
2 x SATA cable (P/N: 32000-062800-RS)	
1 x KB/MS cable (P/N: 32000-023800-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	
1 x Enclosure heatsink	
1 x Mini jumper pack	
1 x Utility CD	1 x QIG

Ordering Information

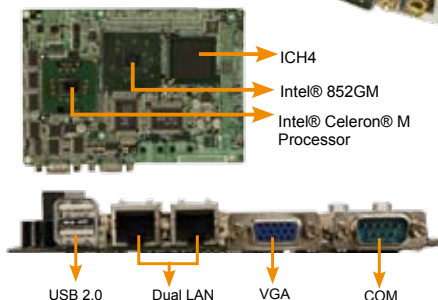
Part No.	Description
WAFER-945GSE-N270-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, Dual GbE, CFII, USB, SATA
WAFER-945GSE-N270W-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, Dual GbE, CFII, USB, SATA, -20~70°C
WAFER-945GSE-N270W2-R10	3.5" SBC with Intel® Atom™ Processor 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
- ◆ Power Consumption: 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

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 RISC-Based Embedded Solutions

4 Industrial Data Collector/Server Solutions

5 Video Capture Solutions

6 I/O Communication Solutions

7 Panel Solutions

8 Power Supply/Network/Communication/Peripherals