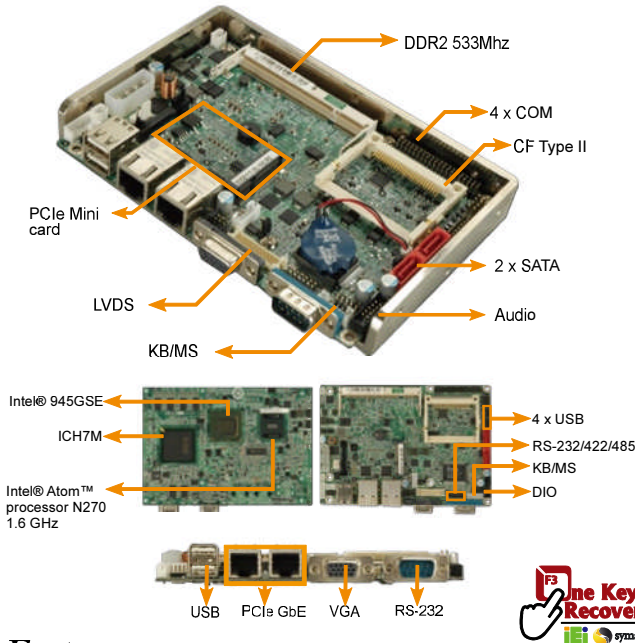


WAFER-945GSE

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 supports up to 2GB/DDR2 533 MHz
4. Support six COM, six USB2.0, two SATA and CF TypeII socket
5. Thermal design for easy assembly
6. 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 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)
- ◆ Expansion
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 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

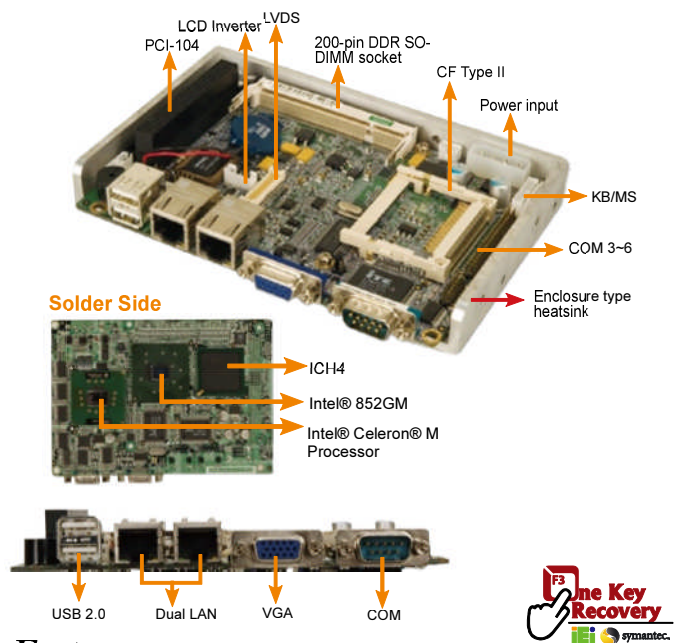
1 x WAFER-945GSE single board computer	
1 x Quad RS-232 cable (P/N: 32200-025401-RS)	
2 x SATA cable (P/N: 32000-062800-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	1 x KB/MS cable (P/N: 32000-023800-RS)
1 x Enclosure heatsink	1 x Mini jumper pack
1 x Utility CD	1 x QIG

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

WAFER-8522

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



Features

1. 3.5" form factor with ULV Intel® Celeron® M CPU
2. CPU and chipset on the solder side for system thermal solution
3. DDR 266MHz SO-DIMM up to 1GB
4. VGA, 18-bit dual-channel LVDS
5. CF Type II, USB 2.0, six RS-232 and audio
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
On board Intel® Celeron® M 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 Quad 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-8522-600-R10	3.5" SBC with ULV Intel® Celeron® 600MHz 512KB Cache CPU with VGA/LVDS, Dual GbE, USB 2.0, and audio
WAFER-8522-1GZ-R10	3.5" SBC with ULV Intel® Celeron® 1GHz Zero 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

1 Industrial Computing Solutions

2 Video Capture Solutions

3 Embedded Computing Solutions

4 Industrial Data Collector and Controller

5 Panel Solutions Introduction

6 ORing Network Communication

7 Power Supply/Peripherals