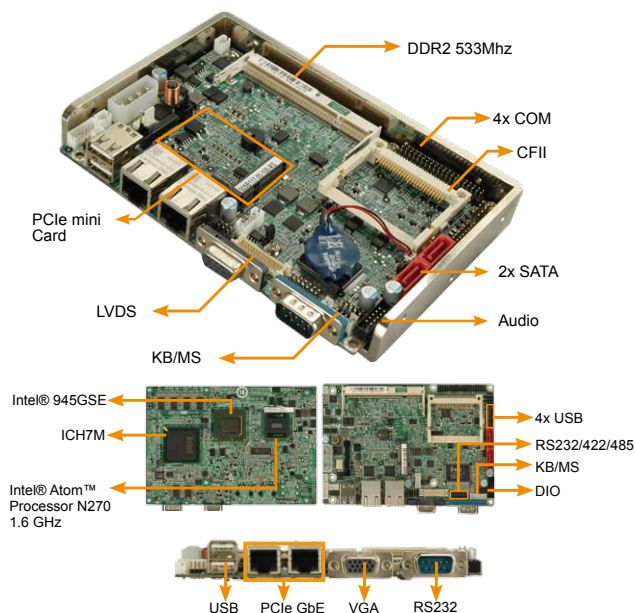


WAFER-ATOM

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 6x COM , 6x USB2.0 , 2x SATA and CF TypeII 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

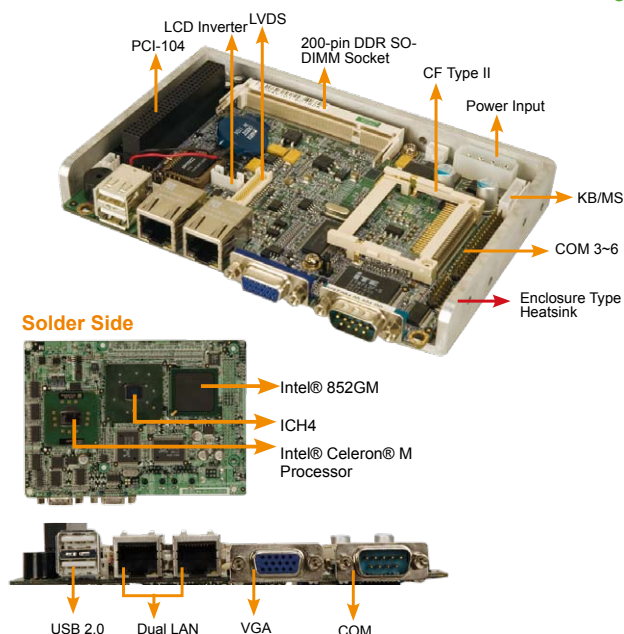
1x WAFER-ATOM Single board computer	
1x 4x RS-232 cable (P/N: 32200-025401-RS)	
2x SATA Cable (P/N: 32000-062800-RS)	
1x KB/MS Cable (P/N: 32000-043301-RS)	
1x Audio Cable (P/N: 32000-072100-RS)	
1x Enclosure Heatsink	
1x Mini Jumper pack	
1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
WAFER-ATOM-N270-R10	3.5" SBC with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, Dual GbE, CFII, USB, SATA
32000-070301-RS	Dual Port USB Cable
32200-026500-RS	RS-232/422/485 Cable
32100-043403-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



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 Keyboard/Mouse 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