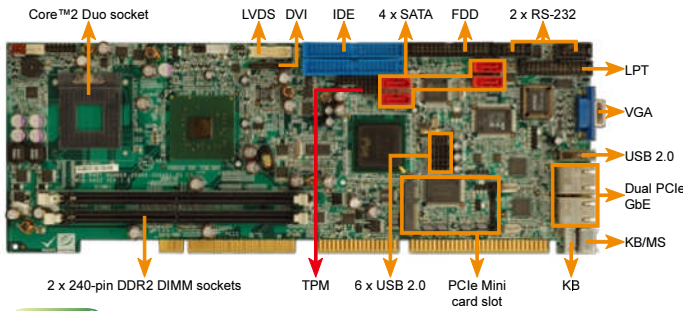


WSB-9452-R40

Full-size PICMG 1.0 CPU card supports Socket M Intel® Core™2 Duo processors and comes with VGA, DVI, HDTV, dual PCIe GbE LAN and SATA, SATAII interfaces



FSB
667

Features

- PICMG 1.0 and RoHS compliant
- Socket M Intel® Core™2 Duo, Core™ Duo, Core™ Solo and Celeron® M mobile processors with a 533 MHz or 667 MHz FSB
- Four 240-pin 1 GB (max.) 667/533/400 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 4 GB)
- Two PCIe GbE controllers
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ **CPU**
Socket M Intel® Core™2 Duo, Core™ Duo, Core™ Solo and Celeron® M mobile processors with a 533 MHz or 667MHz FSB
- ◆ **System Chipset:** Intel® 945GM + ICH7M
- ◆ **BIOS:** AMI BIOS
- ◆ **System Memory**
Two 240-pin 2 GB (max.) 667 MHz, 533 MHz or 400 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 4 GB)
- ◆ **Ethernet**
Dual Realtek RTL8111E PCIe GbE chipsets with ASF2.0
- ◆ **I/O Interface**
 - 2 x RS-232
 - 1 x 20-pin LPC (TPM Module)
 - 1 x FDD
 - 1 x LPT
 - 1 x Infrared
 - 1 x PCIe Mini card slot
 - 7 x USB 2.0 (1 on bracket, 6 on board)
 - 1 x IDE (2 x IDE, WSB-9452S/WSB-9452SDVI only)
 - 2 x SATA (4 x SATA by JMB363 WSB-9452S/9452SDVI only)
 - 1 x Keyboard and mouse (PS/2)
 - 1 x 5-pin header for keyboard
- ◆ **Digital I/O:** 8-bit digital I/O, 4-bit input/4-bit output
- ◆ **Display Interface**
VGA/HDTV out integrated in Intel® 945GM DVI (WSB-9452SDVI)
18-bit dual channel LVDS
- ◆ **Audio**
5.1 Channel AC'97 audio kit with Realtek ALC655 codec
7.1 Channel HD audio kit with Realtek ALC888 supports dual audio streams
- ◆ **Watchdog Timer**
Software programmable supports 1~255 sec. system reset
- ◆ **Power Supply:** AT/ATX Power
- ◆ **Power Consumption**
5V@4.15A, 12V@0.17A, 3.3V@0.01A, Vcore@1.46A (Intel® Core™ Duo T2400 1.83 GHz, DDR2 800MHz 2GB*2)
- ◆ **Temperature: Operation:** 0°C ~ 60°C (32°F~140°F)
- ◆ **Humidity:**
Operating: 5% ~ 95% non-condensing
- ◆ **Dimensions:** 338(L) mm x 122(W) mm
- ◆ **Weight:** GW: 1.2 kg

Packing List

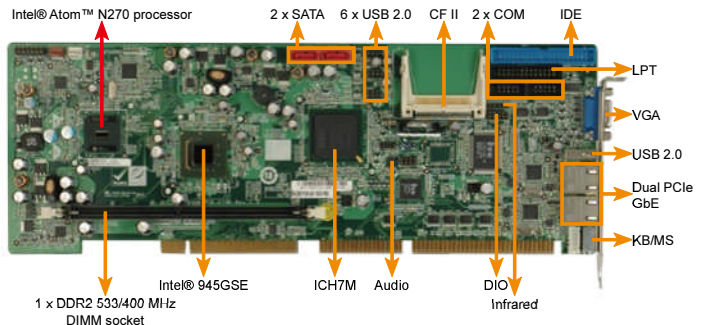
1 x WSB-9452 single board computer
1 x ATA 66 flat cable (P/N: 32200-000052-RS)
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
1 x SATA power cable (P/N: 32102-000100-200-RS)
2 x SATA power cable (P/N: 32102-000100-200-RS) for WSB-9452S/9452SDVI
1 x KB/MS Y-cable (P/N: 32006-000300-100-RS)
4 x SATA cable (P/N: 32000-062800-RS) for WSB-9452S/9452SDVI
1 x IO-KIT-001-R20 (DVI model only)
1 x USB cable (P/N: CB-USB02-RS)
1 x Utility CD
1 x Mini jumper pack
2 x SATA cable (P/N: 32000-062800-RS)
1 x QIG

Ordering Information

Part No.	Description
WSB-9452-R40	PICMG1.0 Intel® Core™2 Duo 533/ 667 MHz processor, VGA/ LVDS/HDTV, and Dual PCIe GbE 2 x SATA
WSB-9452S-R40	PICMG1.0 Intel® Core™2 Duo 533/ 667 MHz processor, VGA/ LVDS/HDTV, Dual PCIe GbE, and 4 x SATA.
WSB-9452SDVI-R40	PICMG1.0 Intel® Core™2 Duo 533/ 667 MHz processor, VGA/ LVDS/HDTV/DVI, Dual PCIe GbE, and 4 x SATA.
CF-479B-RS	CPU cooler
HDTVCABLESET-01	HDTV cable set with composite/ S-Video/Component output
AC-KIT08R-R10	5.1 channel audio kit with realtek ALC655
AC-KIT-888HD-R10	7.1 channel HD audio kit with realtek ALC888 supports dual audio streams
32200-000017-RS	FDD cable
19800-000400-100-RS	LPT cable

WSB-945GSE

Full-size PICMG 1.0 CPU card supports Intel® Atom™ processor and comes with VGA, Dual PCIe GbE, USB 2.0, SATA and Audio



Intel® Atom™

FSB
533

Features

- PICMG 1.0 and RoHS compliant
- Intel® Atom™ processor N270 at 1.6GHz core speed with a 533MHz FSB and 512KB L2 cache
- Enhanced technology for lower Power Consumption
- Two SATA and CF type I/II for data storage
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ **CPU**
On board Intel® Atom™ N270 processor 1.6GHz 512KB L2 cache with a 533MHz FSB
- ◆ **System Chipset**
Intel® 945GSE + ICH7M
- ◆ **BIOS**
AMI BIOS
- ◆ **System Memory**
One 240-pin 533/400 MHz DDR2 SDRAM DIMM supported (system max. 2GB)
- ◆ **Ethernet**
Dual Realtek 8111CP PCIe GbE controller
- ◆ **I/O Interface**
 - 2 x RS-232
 - 2 x SATA
 - 1 x IDE
 - 1 x LPT
 - 7 x USB 2.0 (1 on bracket, 6 on board by pin header)
 - 1 x PS/2 connector for KB/MS
- ◆ **Digital I/O**
8 bit digital I/O, 4-bit input/ 4-bit output
- ◆ **Infrared Interface**
1 x Infrared by pin header
- ◆ **Super I/O**
ITE IT8718F
- ◆ **Display Interface**
VGA Integrated in Intel® 945GSE
- ◆ **Audio**
Support 7.1 channel HD audio or 5.1 channel AC-97 audio by IEI audio kits
- ◆ **SSD**
CF type I/II
- ◆ **Watchdog Timer**
Software programmable supports 1 ~255 sec. system reset
- ◆ **Power Supply**
AT/ATX power
- ◆ **Power Consumption**
5V@2.55A, 12V@0.23A (Intel® Atom™ N270 1.6GHz/533MHz CPU with 1GB DDR2 533MHz)
- ◆ **Temperature**
Operation: 0°C ~ 60°C (32°F~140°F)
- ◆ **Humidity**
Operation: 5% ~ 95% non-condensing
- ◆ **Dimensions**
338 mm x 122 mm
- ◆ **Weight**
GW: 1.0 kg / NW: 0.25 kg

Packing List

1 x WSB-945GSE single board computer
2 x SATA cable (P/N: 32000-062800-RS)
1 x KB/MS Y-cable (P/N: 32006-000300-100-RS)
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
1 x USB cable (P/N: CB-USB02-RS)
1 x Mini jumper pack
1 x Utility CD
1 x QIG (quick installation guide)

Ordering Information

Part No.	Description
WSB-945GSE-N270-R10	PICMG 1.0 with Intel® Atom™ processor N270 1.6G processor, VGA, Dual PCIe GbE, USB 2.0, SATA
AC-KIT-888HD-R10	7.1 channel HD audio kit with realtek ALC888 support dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with realtek ALC655
32200-000052-RS	ATA 66 flat cable
32102-000100-200-RS	SATA power cable
19800-000400-100-RS	LPT cable

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- 2 Video Capture Solutions
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- 4 Industrial Data Collector and Controller
- 5 Panel Solutions Introduction
- 6 ORing Network Communication
- 7 Power Supply/ Peripherals