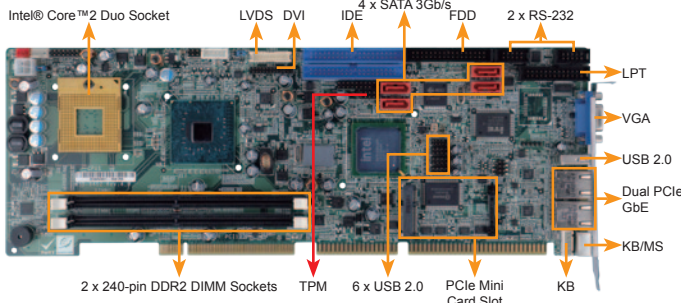


# WSB-9452-R40

Full-size PICMG 1.0 CPU Card supports Socket M Intel® Core™2 Duo Processors with VGA, DVI, HDTV, Dual PCIe GbE LAN and SATA 3Gb/s Interfaces



**FSB 667**

TPM 1.2 Support

**FSB 1066**

IO-KIT-001-R20  
DVI cable included in DVI model

## Features

- PICMG 1.0 and RoHS compliant
- Socket M Intel® Core™2 Duo, Core™ Duo, Core™ Solo and Celeron® M mobile processors with 533 MHz or 667 MHz FSB
- Four 240-pin 1 GB (max.) 667/533/400 MHz dual-channel DDR2 SDRAM DIMMs 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 533 MHz or 667 MHz 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 DIMMs supported (system max. 4 GB)
- ◆ Ethernet  
Dual Realtek RTL8111E PCIe GbE controller with ASF 2.0
- ◆ I/O Interface  
1 x FDD  
1 x Infrared  
2 x RS-232  
1 x IDE (2 x IDE, WSB-9452S/WSB-9452SDVI only)  
1 x Keyboard and mouse (PS/2)  
2 x SATA (4 x SATA by JMB363, WSB-9452S/9452SDVI only)  
7 x USB 2.0 (1 on bracket, 6 on board)
- ◆ TPM  
1 x TPM connector (2x10 pin)
- ◆ Digital I/O: 8-bit digital I/O
- ◆ 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 ALC892 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, two 2 GB 800 MHz DDR2 memory)
- ◆ Operating Temperature  
0°C ~ 60°C (32°F~140°F)
- ◆ Storage Temperature: -10°C ~ 70°C
- ◆ Operating Humidity  
5% ~ 95%, non-condensing
- ◆ Dimensions (LxW): 338 mm x 122 mm
- ◆ Weight (GW): 1.2 kg

## Packing List

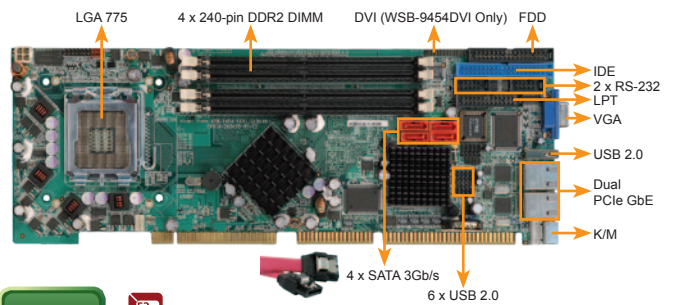
1 x WSB-9452 single board computer
1 x ATA 66 flat cable (P/N: 32225-002000-200-RS)
1 x KB/MS Y-cable (P/N: 32006-000300-100-RS)
1 x SATA power cable (P/N: 32102-000100-200-RS)
2 x SATA power cable (P/N: 32102-000100-200-RS) for WSB-9452S/9452SDVI
4 x SATA cable (P/N: 32000-062800-RS) for WSB-9452S/9452SDVI
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
1 x IO-KIT-001-R20 (DVI model only)
1 x USB cable (P/N: 19800-003100-300-RS)
2 x SATA cable (P/N: 32000-062800-RS)
1 x Mini jumper pack
1 x One Key Recovery CD
1 x QIG
1 x Utility CD

## Ordering Information

Part No.	Description
WSB-9452-R40	PICMG 1.0 CPU card supports Intel® Core™2 Duo 533/667 MHz processor, VGA/HDTV, LVDS, dual PCIe GbE, and 2 x SATA
WSB-9452S-R40	PICMG 1.0 CPU card supports Intel® Core™2 Duo 533/667 MHz processor, VGA/HDTV, LVDS, dual PCIe GbE, and 4 x SATA
19800-000049-RS	LPT cable
32200-000017-RS	FDD cable
AC-KIT08R-R10	5.1-channel audio kit with realtek ALC655
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams
XCF-479B-RS	High performance Socket-479 Pentium® M CPU cooler (50x50)

# WSB-9454-R40

Full-size PICMG 1.0 CPU Card supports LGA 775 Intel® Core™2 Duo, Pentium® D, Pentium® 4 and Celeron® D Processors with VGA, DVI, Dual PCIe GbE LAN and SATA 3Gb/s Interfaces



**FSB 667**

TPM 1.2 Support

**FSB 1066**

IO-KIT-001-R20  
DVI cable included in DVI model

## Features

- Supports LGA 775 Intel® Core™2 Duo, Pentium® 4, Pentium® D and Celeron® D processors with 533 MHz, 800 MHz or 1066 MHz FSB
- Dual core processors combined physically
- Enhanced technology for better power consumption
- Intel® EMT64 Technology supports future 64-bit OS appliance
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU  
LGA 775 Intel® Core™2 Duo, Pentium® D, Pentium® 4, and Celeron® D desktop processors with 533 MHz, 800 MHz or 1066 MHz FSB
- ◆ System Chipset  
Intel® 945G+ ICH7
- ◆ BIOS  
AMI BIOS
- ◆ System Memory  
Four 240-pin 1 GB (max.) 667 MHz, 533 MHz or 400 MHz dual-channel DDR2 SDRAM DIMMs supported (system max. 4 GB)
- ◆ Ethernet  
Dual Realtek RTL8111E PCIe GbE controller with ASF 2.0
- ◆ I/O Interface  
1 x 5-pin header for keyboard  
1 x FDD  
1 x IDE  
1 x Infrared  
1 x Keyboard and mouse (PS/2)  
1 x LPT  
2 x RS-232  
4 x SATA 3Gb/s  
7 x USB 2.0 (1 on bracket, 6 on board)
- ◆ Digital I/O  
8-bit digital I/O
- ◆ Display Interface  
VGA integrated in Intel® 945G DVI by Silicon Image SIL1362 (WSB-9454DVI only)
- ◆ 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@7.68A, 12V@0.15A, Vcore@2.26A (Intel® Core™2 Duo E7400 2.8 GHz/1066 MHz CPU with four 1 GB 800 MHz DDR2 memory)
- ◆ Operating Temperature  
0°C ~ 60°C (32°F ~ 140°F)
- ◆ Storage Temperature  
-10°C ~ 70°C
- ◆ Operating Humidity  
5% ~ 95%, non-condensing
- ◆ Dimensions: 338 mm x 122 mm
- ◆ Weight (GW): 1.2 kg

## Packing List

1 x WSB-9454 single board computer
1 x ATA 66 flat cable (P/N: 32225-002000-200-RS)
1 x KB/MS Y-cable (P/N: 32006-000300-100-RS)
1 x SATA power cable (P/N: 32102-000100-200-RS)
1 x Dual RS-232 cable (P/N: 19800-000051-RS)
1 x IO-KIT-001-R20 (DVI model only)
1 x USB cable (P/N: 19800-003100-300-RS)
2 x SATA cable (P/N: 32000-062800-RS)
1 x Mini jumper pack
1 x One Key Recovery CD
1 x QIG
1 x Utility CD

## Ordering Information

Part No.	Description
WSB-9454-R40	PICMG 1.0 CPU card supports Intel® Core™2 Duo, Pentium® 4/D, Celeron® D 1066 MHz processors, VGA, dual PCIe GbE and SATA 3Gb/s
19800-000049-RS	LPT cable
32200-000017-RS	FDD cable
AC-KIT08R-R10	5.1-channel audio kit with Realtek ALC655 code
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC892 supports dual audio streams
CF-520-RS-R11	High performance CPU cooler (115mm x 115mm x 67mm, 115W)
CF-775A-RS	High performance CPU cooler (92mm x 92mm x 73mm, 130W)