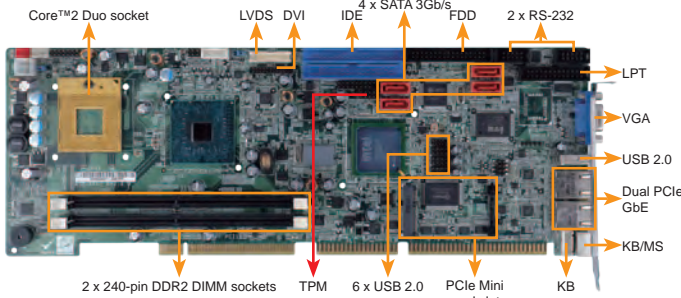


# WSB-9452-R40

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

TPM 1.2 Support

**Dual DDR**  
667

**Dual Display**

**USB**  
2.0

**SATA**  
3Gb/s

**Gigabit Ethernet**  
PCIE GbE

**PICMG**  
1.0

## Features

1. PICMG 1.0 and RoHS compliant
2. Socket M Intel® Core™2 Duo, Core™ Duo, Core™ Solo and Celeron® M mobile processors with a 533 MHz or 667 MHz FSB
3. Four 240-pin 1 GB (max.) 667/533/400 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 4 GB)
4. Two PCIe GbE controllers
5. 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 DIMMs supported (system max. 4 GB)
- ◆ Ethernet  
Dual Realtek RTL8111E PCIe GbE chipset with ASF 2.0
- ◆ 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 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 2GB 800MHz DDR2)
- ◆ 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

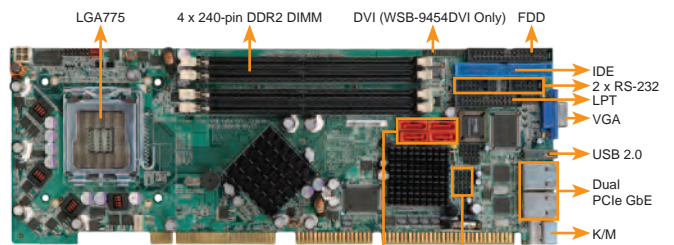
1 x WSB-9452 single board computer
1 x ATA 66 flat cable (P/N: 32225-002000-200-RS)
1 x KB/MS Y-cable (P/N: 32006-000300-100-RS)
1 x SATA power cable (P/N: 32102-000100-200-RS)
2 x SATA power cable (P/N: 32102-000100-200-RS) for WSB-9452S/9452SDVI
4 x SATA cable (P/N: 32000-062800-RS) for WSB-9452S/9452SDVI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

## Ordering Information

Part No.	Description
WSB-9452-R40	PICMG 1.0 Intel® Core™2 Duo 533/667 MHz processor, VGA/LVDS/HDTV, dual PCIe GbE, and 2 x SATA
WSB-9452S-R40	PICMG 1.0 Intel® Core™2 Duo 533/667 MHz processor, VGA/LVDS/HDTV, dual PCIe GbE, and 4 x SATA.
WSB-9452SDVI-R40	PICMG 1.0 Intel® Core™2 Duo 533/667 MHz processor, VGA/LVDS/HDTV/DVI, dual PCIe GbE, and 4 x SATA.
CF-479B-RS-R11	CPU cooler
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
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable

# WSB-9454-R40

Full-size PICMG 1.0 CPU card supports LGA775 Intel® Core™2 Duo, Pentium® D, Pentium® 4 and Celeron® D processors and comes with VGA or DVI, dual PCIe GbE LAN and 3.0 Gbps SATA 3Gb/s interfaces



**FSB**  
1066

IO-KIT-001 DVI cable included in DVI model

**Dual DDR2**  
667

**Dual Display**

**USB**  
2.0

**SATA**  
3Gb/s

**Gigabit Ethernet**  
PCIE GbE

**PICMG**  
1.0

## Features

1. Supports LGA775 Intel® Core™2 Duo, Pentium® 4, Pentium® D and Celeron® D processors with a 533 MHz, an 800 MHz or a 1066 MHz FSB
2. Dual core processors combined physically
3. Enhanced technology for better power consumption
4. Intel® EMT64 Technology supports future 64-bit OS appliance
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

- ◆ CPU  
LGA775 Intel® Core™2 Duo, Pentium® D, Pentium® 4, and Celeron® D desktop processors with a 533 MHz, 800 MHz or 1066MHz 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 chipset with ASF 2.0
- ◆ I/O Interface  
2 x RS-232  
7 x USB 2.0 (1 on bracket, 6 on board)  
1 x IDE  
1 x FDD  
1 X LPT  
4 x SATA 3Gb/s  
1 x Infrared  
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 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 1GB 800 MHz DDR2)
- ◆ 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: 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 One Key Recovery CD
1 x IO-KIT-001-R20 (DVI model only)
1 x Mini jumper pack
1 x USB cable (P/N: 19800-003100-300-RS)
1 x Utility CD
2 x SATA cable (P/N: 32000-062800-RS)
1 x QIG

## 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
WSB-9454DVI-R40	PICMG 1.0 CPU card supports Intel® Core™2 Duo, Pentium® 4/D, Celeron® D 1066 MHz processors, VGA/DVI, Dual PCIe GbE and SATA 3Gb/s
AC-KIT-892HD-R10	7.1 channel HD audio kit with Realtek ALC892 supports dual audio streams
AC-KIT08R-R10	5.1 channel AC'97 audio kit with Realtek ALC655 codec
CF-775A-RS	High performance CPU cooler (92mm x 92mm x 73mm, 130W)
CF-520-RS-R11	High performance CPU cooler (115mm x 115mm x 67mm, 115W)
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable