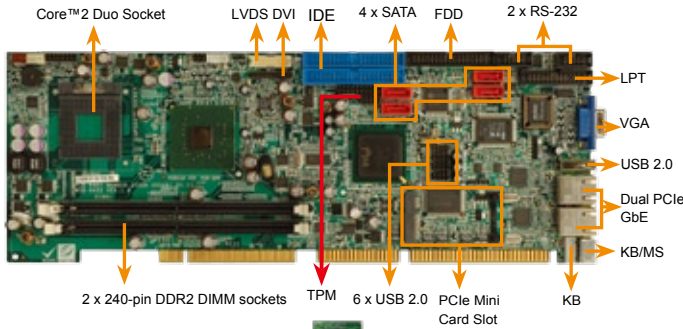


# WSB-9452-R20

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



## 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 Flash 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 Broadcom BCM5787M 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 ALC883 supports dual audio streams
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Power Supply: AT/ATX Power
- ◆ Power Consumption: 5 V @ 4.15 A, 12 V @ 1.29 A running a 2.33 GHz Yonah core Intel® Core™ Duo T2700 processor and 2 GB of 533 MHz DDR2 SDRAM
- ◆ 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

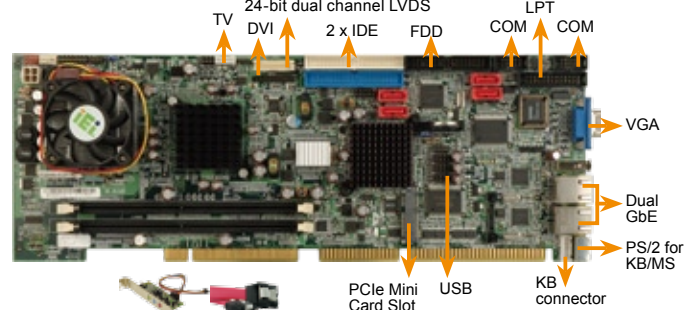
|  |
|--|
| 1 x WSB-9452 single board computer                                     |
| 1 x ATA 66 flat cable (P/N:32200-000052-RS)                            |
| 1 x Dual RS-232 cable (P/N: 19800-000051-RS)                           |
| 1 x SATA power cable (P/N: 32102-000100-200-RS)                        |
| 2 x SATA power cable (P/N: 32102-000100-200-RS) for WSB-9452S/9452SDVI |
| 1 x IO-KIT-001-R20 (DVI model only)                                    |
| 4 x SATA cable (P/N: 32000-062800-RS) for WSB-9452S/9452SDVI           |
| 1 x KB/MS Y-cable (P/N:32000-133200-RS)                                |
| 1 x Mini jumper pack   |
| 1 x USB cable (P/N:CB-USB02-RS)  |
| 2 x SATA cable (P/N: 32000-062800-RS)                                  |
| 1 x Utility CD   |
| 1 x QIG  |

## Ordering Information

| Part No.            | Description   |
|---------------------|---|
| WSB-9452-R20        | PICMG1.0 Intel® Core™2 Duo 533/ 667 MHz processor, VGA/ LVDS/HDTV, and Dual PCIe GbE 2 x SATA       |
| WSB-9452S-R20       | PICMG1.0 Intel® Core™2 Duo 533/ 667 MHz processor, VGA/ LVDS/HDTV, Dual PCIe GbE, and 4 x SATA.     |
| WSB-9452SDVI-R20    | 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-KIT883HD-R10     | 7.1 channel HD audio kit with realtek ALC883 supports dual audio streams                            |
| 32200-000017-RS     | FDD cable   |
| 19800-000400-100-RS | LPT cable   |

# WSB-9152-R30

Full-size PICMG 1.0 CPU card supports Socket 479 Intel® Pentium® M processors with a 533 MHz FSB and comes with VGA, PCIe GbE LAN, USB 2.0, SATA and SATA II interfaces



## Features

1. PICMG 1.0 and RoHS compliant
2. Supports 2.0 GHz (max.) Socket 479 Intel® Dothan core Pentium® M processors with a 533 MHz FSB or Banias core Celeron® M processors with a 400 MHz FSB
3. Two 1.5 Gbps SATA connectors, two 3.0 Gbps SATA II connectors (WSB-9152S only) and seven USB 2.0 interfaces
4. IEI One Key Recovery solution allows you to create rapid OS backup and recovery



## Specifications

- ◆ CPU: Socket 479 Intel® Pentium® M and Celeron® M processors with a 400 MHz or 533 MHz FSB
- ◆ System Chipset: Intel® 915GME + ICH6-M
- ◆ BIOS: Award Flash BIOS
- ◆ System Memory: Two 240-pin 1 GB (max.) 533 MHz or 400 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 2 GB)
- ◆ Ethernet: Dual PCIe Broadcom BCM5787M GbE
- ◆ I/O Interface:
  - 2 x SATA
  - 7 x USB 2.0 (1 on bracket, 6 on board)
  - 2 x RS-232
  - 1 x Keyboard and mouse (PS/2)
  - 1 x IDE
  - 1 x FDD
  - 1 x LPT
  - 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 915GME 18/24-bit dual channel LVDS
- ◆ Audio: 5.1 Channel AC'97 audio kit with Realtek ALC655 codec 7.1 Channel HD audio kit with Realtek ALC883 supports dual audio streams
- ◆ Watchdog Timer: Software programmable supports 1~255 sec. system reset
- ◆ Power Supply: AT/ATX support
- ◆ Power Consumption: 12 V @ 2.08 A, 5 V @ 3.6 A, -12 V @ 0.1 A, 5 Vsb @ 0.93 A running a 2 GHz Intel® Pentium® M processor with a 533 MHz FSB and 512 MB of 400 MHz DDR SDRAM
- ◆ Temperature: Operating: 0°C ~ 60°C (32°F ~ 140°F)
- ◆ Humidity: Operating: 5% ~ 95% non-condensing
- ◆ Dimensions: 338 mm x 122 mm
- ◆ Weight: GW: 1.1 Kg

## Packing List

|   |
|---|
| 1 x WSB-9152 single board computer              |
| 1 x ATA 66 flat cable (P/N: 32200-000052-RS)    |
| 1 x SATA power cable (P/N: 32102-000100-200-RS) |
| 1 x KB/MS Y-cable (P/N: 32000-133200-RS)        |
| 1 x USB cable (P/N: CB-USB02-RS)                |
| 2 x SATA cable (P/N: 32000-062800-RS)           |
| 1 x Mini jumper pack                            |
| 1 x ATX-12V cable (P/N: 32100-087100-RS)        |
| 1 x RS-232 cable (P/N: 19800-000051-RS)         |
| 1 x Utility CD                                  |
| 1 x QIG   |

## Ordering Information

| Part No.            | Description   |
|---------------------|---|
| WSB-9152-R30        | PICMG 1.0 Socket 479 533 MHz FSB CPU card with VGA, PCIe GbE, USB 2.0, and SATA |
| CF-479B-RS          | CPU cooler  |
| AC-KIT08R-R10       | 5.1 channel AC'97 audio kit with realtek ALC655 codec                           |
| AC-KIT883HD-R10     | 7.1 channel HD audio kit with realtek ALC883 supports dual audio streams        |
| 32200-000017-RS     | FDD cable   |
| 19800-000400-100-RS | LPT cable   |

1 Industrial Computing Solutions

2 Embedded Computing Solutions

3 Industrial Data Collector and Controller

4 Video Capture Solutions

5 I/O Communication Solutions

6 Panel Solutions

7 ORing Network Communication

8 Power Supply Peripherals