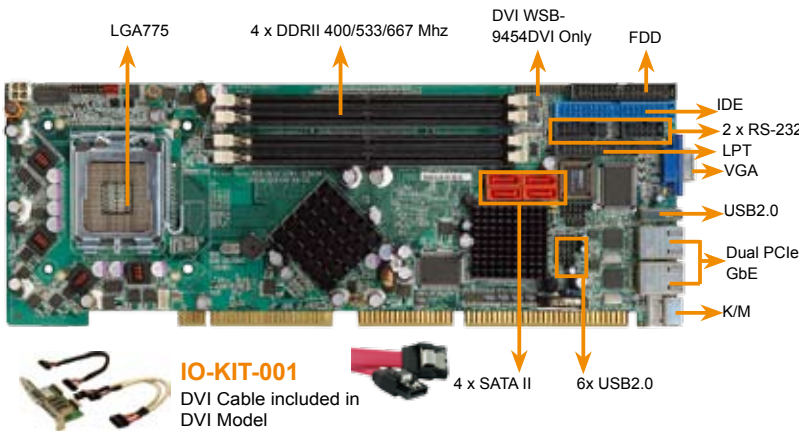


# WSB-9454

PICMG 1.0 LGA775 Intel® Core™ 2 Duo, Pentium® D/4, Celeron® D CPU with VGA/ DVI, Dual PCIe GbE, SATA II



## Intel® Core™ 2 Duo Processor

### New Technology

WSB-9454



**Intel® Core™2 Duo processor (Fundamental)**  
Intel® 945G/Q965 Express Chipset

**TDP: 65W !**



**Intel® Pentium® D processor 800 & 900 sequences**  
Intel® 945G Express Chipset

Processors and TDP	Intel® Core™2 Duo processor E6300	Intel® Pentium® D processor 950
TDP	65 Watts	130 Watts

Intel® Pentium® D Processor 950 have 50% higher TDP than Intel® Core™2 Duo processor E6300.

## Specifications

- ◆ **CPU**  
LGA 775 Intel® Core 2 Duo , Pentium® D/4, Celeron® D with 533/800/1066 MHz FSB
- ◆ **System Chipset**  
Intel® 945G+ ICH7
- ◆ **BIOS**  
AMI Flash BIOS
- ◆ **System Memory**  
4 x 240-pin dual channel DDRII 400/533/667 MHz up to 4GB
- ◆ **Ethernet**  
Dual Broadcom BCM5787M PCIe GbE chipsets with ASF2.0
- ◆ **I/O Interface**  
2 x RS-232  
7 x USB 2.0  
1 x IDE  
1 x FDD  
1 x LPT  
4 x SATA II  
1 x IrDA  
1 x PS/2 for KB/MS
- ◆ **Digital I/O**  
8-bit digital I/O, 4 input / 4 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 ALC883 support dual audio streams
- ◆ **Watchdog Timer**  
Software programmable supports 1~255 sec. system reset
- ◆ **Power Supply**  
AT/ATX Power
- ◆ **Power Consumption**  
5V@6.75A 12V@7.24A  
(Pentium® 4 3.0GHz, DDR2 533MHz 1GB\*4)-3D MARK
- ◆ **Temperature**  
operation: 0 ~ 60° C (32 ~ 140° F)
- ◆ **Humidity**  
operation: 5% ~ 95% non-condensing
- ◆ **Dimensions**  
338mmX122mm
- ◆ **Weight**  
GW:1.2Kg

## Features 1

- Support Intel® Core 2 Duo, Pentium® 4/D, Celeron D with 1066/800/533 MHz FSB
- Dual Core Processors combined physically
- Enhanced Technology for better power consumption
- Intel® EMT64 Technology support future 64-bit OS Appliance

## Features 2

New Memory Architecture  
New designing includes wider internal data buses that support UP TO 4GB dual-channel DDR2 memory technology at 667 MHz (up to 10.7 GB/s of peak memory bandwidth) for greater platform performance and memory flexibility.

## Packing List

- 1 x WSB-9454 single board computer
- 1 x Mini jumper pack
- 1 x ATA 66/100 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: 32100-088600-RS)
- 1 x IO-KIT-001-R20 (DVI model Only)
- 2 x SATA cable (P/N: 32000-062800-RS)
- 1 x KB/MS Y cable (P/N:32000-000138-RS)
- 1 x USB cable (P/N:CB-USB02-RS)
- 1 x Utility CD
- 1 x QIG

## Ordering Information

Part No.	Description
WSB-9454-R10	PICMG1.0 Intel® Core 2 Duo, Pentium® 4/D/ Celeron® D 1066MHz processor, VGA, Dual PCIe GbE, and SATA II.
WSB-9454DVI-R10	PICMG1.0 Intel® Core 2 Duo, Pentium® 4/D/ Celeron® D 1066MHz processor, VGA/ DVI, Dual PCIe GbE, and SATA II.
AC-KIT-883HD-R10	7.1 Channel HD Audio Kit with Realtek ALC883 supports dual audio streams
AC-KIT08R-R10	5.1 Channel AC'97 Audio Kit with Realtek ALC655 code
CF-775A-RS	CPU Cooler
CF-520-RS	CPU Cooler
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable

1 Single Board Computer

2 VIDEO CARD

3 Xscale Solutions

4 Open HMI

5 VITO Universal Controller

6 DINO BLADE

7 LCD Product Series

8 Embedded System

9 Industrial Computer Chassis

10 Power Supply

11 Peripherals