

# WSB-9454

Full-size PICMG 1.3 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 II interfaces

1 Application Server Platform

2 Single Board Computer

3 IBX Series POS PC

4 AFOLLX POS Panel PC

5 Video Capture Card

6 KAMIO RISC

7 IOVU Open HMI

8 VITO Universal Controller

9 DINO BLADE

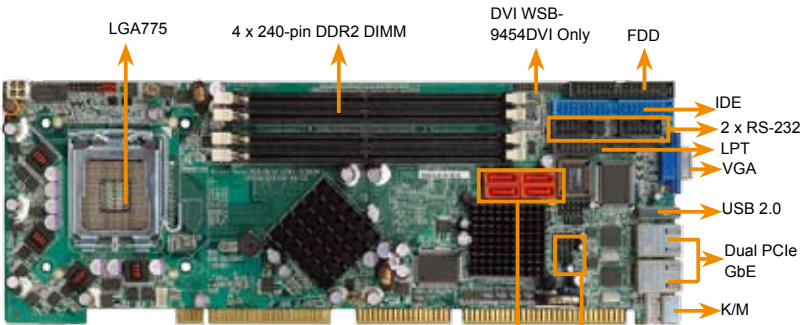
10 LCD Product Series

11 Embedded System

12 Industrial Computer Chassis

13 Power Supply

14 Peripherals



## Intel® Core™ 2 Duo Processor

### New Technology

WSB-9454

**TDP: 65W!**



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



**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  
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 Flash BIOS
- ◆ System Memory  
Four 240-pin 1 GB (max.) 667 MHz, 533 MHz or 400 MHz dual-channel DDR2 SDRAM DIMM supported (system max. 8 GB)
- ◆ Ethernet  
Dual Broadcom BCM5787M PCIe GbE chipsets with ASF2.0
- ◆ 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 II  
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 ALC883 support dual audio streams
- ◆ Watchdog Timer  
Software programmable supports 1~255 sec. system reset
- ◆ Power Supply  
AT/ATX Power
- ◆ Power Consumption  
5 V @ 6.75 A, 12 V @ 7.24 A running 3D Mark with a 3 GHz Intel® Pentium® 4 processor and 4 GB of 533 MHz DDR2 SDRAM
- ◆ Temperature  
Operating: 0°C~ 60°C (32°F~140°F)
- ◆ Humidity  
operation: 5% ~ 95% non-condensing
- ◆ Dimensions  
338 mm x 122 mm
- ◆ Weight  
GW:1.2 Kg

## 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
- Dual Core Processors combined physically
- Enhanced Technology for better power consumption
- Intel® EMT64 Technology support future 64-bit OS Appliance

## 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/ DVI, 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-KIT883HD-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	High Performance CPU Cooler (92mm x 92mm x 73mm,130W)
CF-520-RS	High Performance CPU Cooler (115mm x 115mm x 67mm,115W)
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable