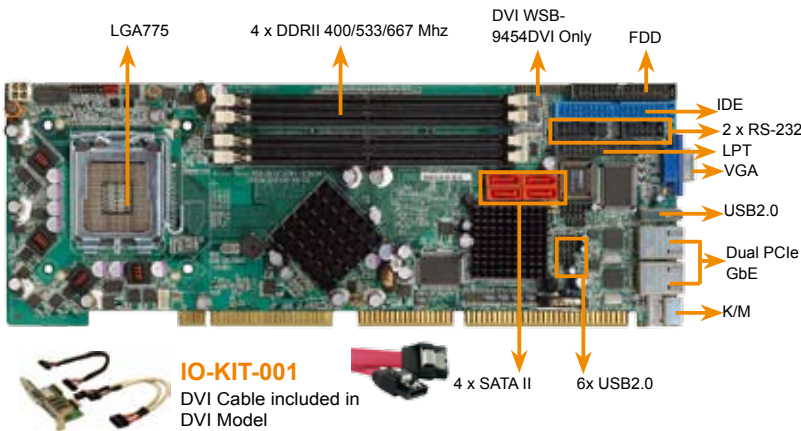


WSB-9454

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