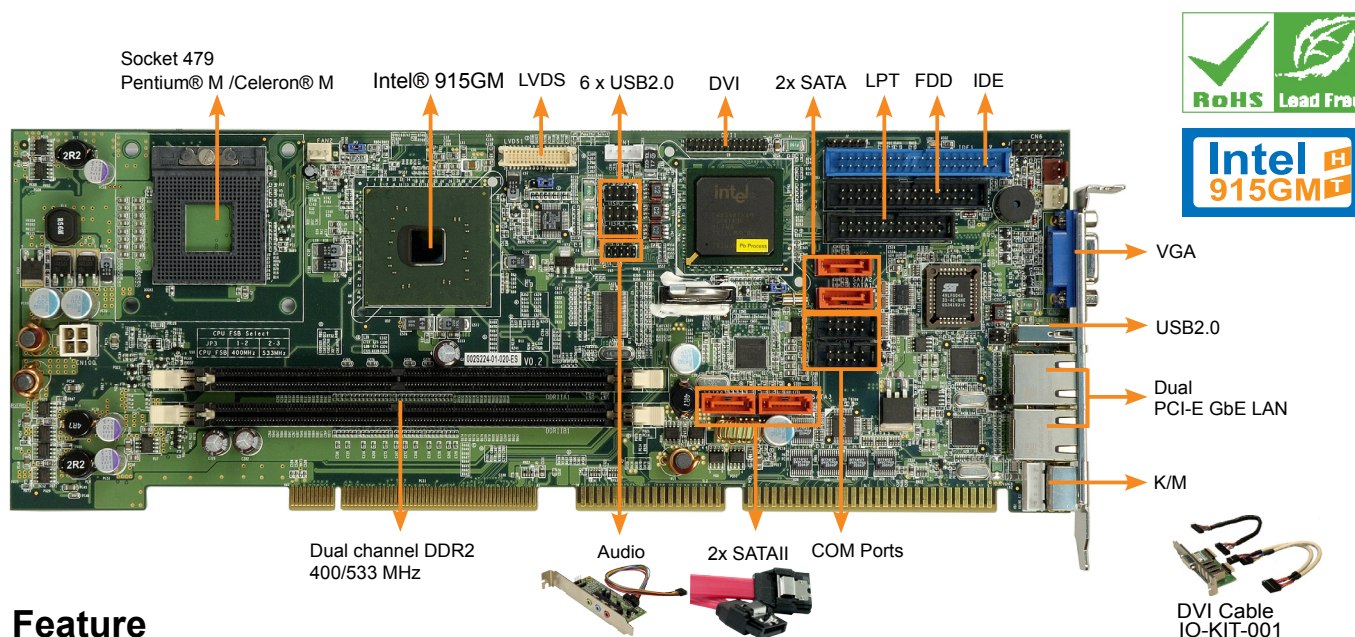


# WSB-9152

New Pentium® M 533MHz FSB CPU with upgradable SATAII RAID 0, 1 function

## PICMG 1.0 Pentium® M Socket 479 533MHz FSB CPU Card with VGA, PCI-Express GbE, USB2.0, SATA and SATAII



### Feature

1. PICMG 1.0 and RoHS compliance
2. Intel® Socket 479 Pentium® M / Celeron® M CPU support up to FSB 533MHz
3. Dual channel DDRII-400/533 MHz support up to 2G
4. Dual High performance PCI Express Gigabit Ethernet controller
5. 2 x SATA, 2xSATAII(WSB-9152S only), 7 x USB 2.0 (6 by pin header)

### Specification

DDR2 400/533

FSB 533



#### ◆ CPU

Intel® Socket 479 Pentium® M / Celeron M support 400/533 MHz FSB up to 2.26GHz

#### ◆ System Chipset

Intel® 915GM + ICH6-M

#### ◆ BIOS

Award Flash BIOS

#### ◆ System Memory

Support for DDRII at 400/533Mhz  
2x DDRII DIMM socket up to 2GB

#### ◆ Ethernet

Dual Marvell 8053 PCI-Express GbE controller

#### ◆ I/O

##### I/O Interface

- 2 x SATA-150
- 2 x SATAII-300(WSB-9152S only)
- 7 x USB 2.0(one in rear, 6 by pin header)
- 2 x RS-232
- 1 x KB/MS
- 1 x IDE
- 1 x FDD
- 1 x IrDA
- 1 x LPT

#### ◆ Display

##### Graphic controller

Intel® GMA900 integrated with DB-15 VGA output

##### LVDS

Dual 18-bit LVDS interegrated in Intel® 915GM

##### DVI

Silicon Image SIL1362CLU

#### ◆ Watchdog Timer

Software programmable supports 1~255 sec. system reset

#### ◆ Power Supply

4 pin ATX 12V, AT/ATX support

##### Power Consumption

12V: 2.08A, 5V: 3.6A, 5Vsb: 0.93A  
(Pentium® M 2.0GHz/533 MHz CPU with 512MB DDR400 SDRAM)

#### ◆ Temperature

operation: 0 ~ 60° C (32 ~ 140° F)

#### ◆ Humidity

operation: 5% ~ 95% non-condensing

#### ◆ Dimension

380(W)mm X 125(L)mm

#### ◆ Weight

GW: 1.1Kg

## New Bandwidth !

### New Pentium M Generation

The WSB-9152 with Intel® Pentium® M Processor 533-MHz front side bus (FSB) is the next generation high performance, low-power mobile processor based on the single board computer architecture.

Features	Benefits
533 MHz Front Side Bus	Up to <b>33% increase</b> in Front Side Bus bandwidth over the previous generation.
Support for dual channel DDR2 400/533 MHz	Up to <b>60% improvement</b> in peak memory bandwidth and average power savings over DDR memory
Serial ATA	<b>50% faster than ATA 100</b> , Provides up to 150 MB/Sec transfer rate for disk traffic.
Integrated high speed USB 2.0	Support for 8 USB 2.0 peripherals for maximum, <b>40x faster</b> data transfer and backward compatible to support USB 1.1 devices.
Intel® Graphics Media Accelerator (GMA) 900	Delivers a <b>2 times improvement</b> in graphics performance over the previous generation chipset, the Intel® 855GME. Also supports Microsoft DirectX® 9 solution for high definition media playback and 3D games.

### RAID Level 0

#### Strip Array

**Advantages:**  
Easy to implement.  
No capacity loss - all storage is usable.

**Disadvantages:**  
Not a "true" RAID due to the lack of fault-tolerance.  
Failure of only one disk will result in loss of all data on the array.

### RAID Level 1

#### Mirror

**Advantages:**  
Higher read performance than a single disk.

**Disadvantages:**  
Requires twice the disk space.

### Extra SATAII RAID 0,1 protection ! Working Process



<b>Processor</b>	
	Intel® Pentium® M Processor
<b>Processor Number</b>	780, 778, 770, 765, 760, 758, 755, 753, 750, 745, 740, 738, 735, 733J, 733, 730, 725, 723, 718, 715, 713

## Packing List

1 x WSB-9152 single board computer	1 x Keyboard/ PS2 mouse Y cable (P/N: 32000-000138-RS)
1 x Mini jumper pack	1 x ATX-12V cable (P/N: 32100-087100-RS)
1 x ATA 66/100 flat cable (P/N: 32200-000052-RS)	1 x RS-232 cable (P/N: 19800-000051-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x USB cable (P/N: CB-USB02-RS)
1 x SATA power cable (P/N: 32100-088600-RS)	1 x Utility CD
2 x SATA cable for WSB-9152S only (P/N: 32000-062800-RS)	1 x QIG (quick installation guide)
1 x SATA power cable for WSB-9152S only (P/N: 32100-088600-RS)	

## Ordering Information

Part No.	Description
WSB-9152-R10	PICMG 1.0 Socket 479 533MHz FSB CPU Card with VGA, PCI-Express GbE, USB 2.0, and SATA
WSB-9152S-R10	PICMG 1.0 Socket 479 533MHz FSB CPU Card with VGA, PCI-Express GbE, USB 2.0, SATA and SATAII
WSB-9152DVI-R10	PICMG 1.0 Socket 479 533MHz FSB CPU Card with VGA, PCI-Express GbE, USB 2.0, SATA and DVI function
WSB-9152SDVI-R10	PICMG 1.0 Socket 479 533MHz FSB CPU Card with VGA, PCI-Express GbE, USB 2.0, SATA, SATAII and DVI function
CF-518-RS	CPU Cooler
IO-KIT-001-R20	DVI Cable
AC-KIT-08R-R10	Audio Kit
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable



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