

# ROCKY-6612LVDS

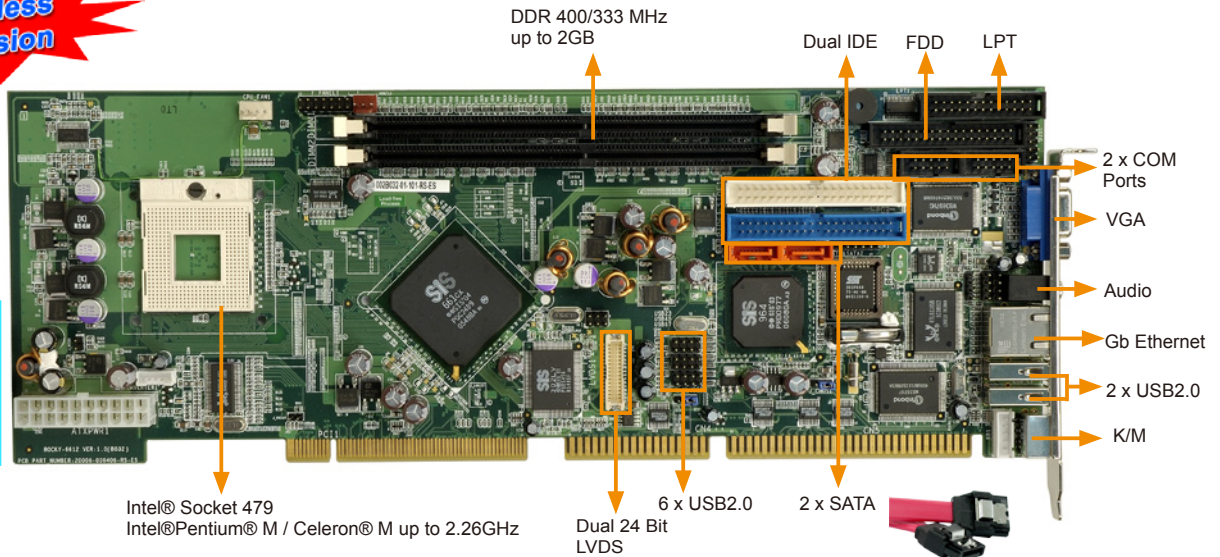
Low Profile, Fanless  
Intel® Pentium® M  
FSB 533/400 MHz solution

PICMG 1.0 Socket 479 533MHz FSB CPU board with  
LVDS, USB, and SATA RAID function support



**Fanless  
Version**

ULV Intel® Celeron M  
800zero cache



## Feature

1. PICMG 1.0 and RoHS compliance
2. Long term support
3. Socket479 Intel® Pentium® M / Celeron® M CPU support 533/400 MHz FSB up to 2.26Ghz
4. 2 x SATA, 8 x USB2.0 and Audio intergrated

## Specification

DDR 400/333

FSB 533



### ◆ CPU

Intel® Pentium® M / Celeron® M CPU support 533/400 MHz FSB up to 2.26Ghz

### ◆ System Chipset

SiS 661CX + SiS 964

### ◆ BIOS

AMI Flash BIOS  
SMIBIOS (DMI) compliant  
Console redirection function support  
PXE (Pre-Boot Execution Environment ) support  
USB booting support

### ◆ System Memory

2 x DDR 184-pin sockets of 400/333MHz DDR SDRAM up to 2GHz

### ◆ Ethernet

Realtek RTL8110S GbE

### ◆ I/O

#### I/O Interface

2 x RS-232 by 2 x 5 pin header  
1 x LPT by 2 x 13 pin header  
1 x IrDA by 1 x 5 pin header  
8 x USB 2.0 / 6 by 2 x 4 pin header  
2 x SATA-150 connectors  
2 x ATA-100 Channel  
1 x FDD by 2 x 17 Pin header  
1 x PS2 Keyboard / Mouse  
2 x 5 Pin header for 4 input / 4 output GPIO

### ◆ Super I/O

Winbond W83697HG

### ◆ Display

CRT integrated in SiS 661CX,support Dual 24-Bit LVDS for Dual Display

### ◆ Audio

AC '97 codec

### ◆ Watchdog Timer

Software programmable supports 1~255 sec. system reset

### ◆ Power Supply

4 pin ATX 12V, AT/ATX support

### ◆ Power Consumption

+5V @ 6.59 A, +12V @0.12 A (Intel® Pentium® M 2.13G/2M/533 CPU with 2GB DDR 400)

### ◆ Temperature

operation: 0 ~ 60° C (32 ~ 140° F)

### ◆ Humidity

operation: 5% ~ 95% non-condensing

### ◆ Dimension

380(W)mm X 133(L)mm

### ◆ Weight

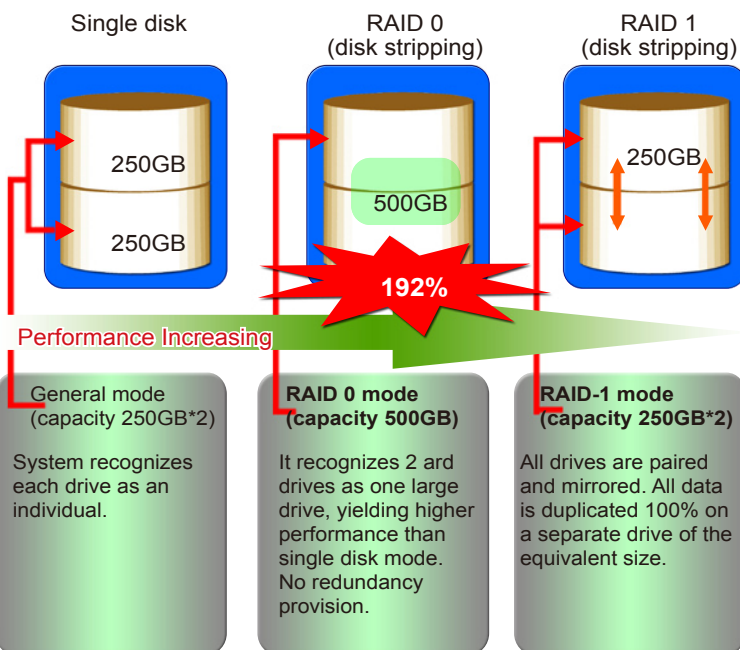
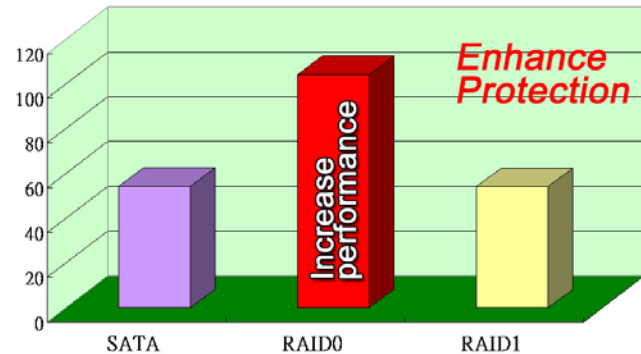
GW: 1.1Kg

## RAID Protection

### Dual SATA HDD RAID function support

ROCKY-6612 integrates 2 SATA ports with RAID 0,1 function support which provide better performance and data protection to systems.

#### Testing Result 1



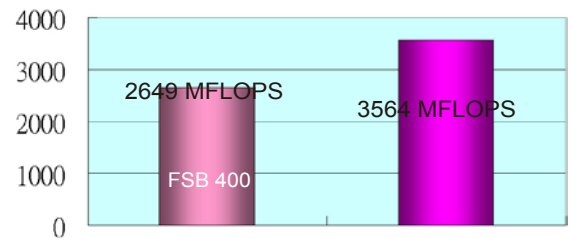
#### Testing Result 2

HD Tach	Average Read Speed MB/s	SATA	RAID0	RAID1
		54.5	104.4	54.2
Redundancy		NO	NO	Yes

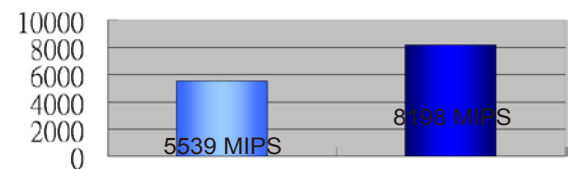
When looking for a system designed for digital data protection, performance increasing, be sure to look for IEI reliable technology ready products.

## FSB Performance Comparison

Featuring	Cache	Clock	Front Side
Intel® Pentium® M processor 760	2MB L2	2 GHz	533MHz
Intel® Pentium® M processor 755	2MB L2	2 GHz	400MHz



Whetstone FPU/SSE Whetstone FPU/SSE



Dhrystone ALU (FSB 400) Dhrystone ALU (FSB 533)

## Packing List

1 x ROCKY-6612 single board computer	1 x Keyboard/ PS2 mouse Y cable (P/N: 32000-000138-RS)
1 x Mini jumper pack	1 x RS-232 cable (P/N: 19800-000051-RS)
1 x ATA 66/100 flat cable (P/N: 32200-000052-RS)	1 x USB cable (P/N: CB-USB02-RS)
2 x SATA cable (P/N: 32000-062800-RS)	1 x Utility CD
1 x SATA power cable (P/N: 32100-088600-RS)	1 x QIG

## Ordering Information

Part No.	Description
ROCKY-6612-R10	PICMG 1.0 Socket 479 Intel® Pentium® M/Celeron® M FSB533Mhz CPU Card with VGA, GbE, Audio and SATA
ROCKY-6612LVDS-R10	PICMG 1.0 Socket 479 Intel® Pentium® M/Celeron® M FSB533Mhz CPU Card with VGA, LVDS, GbE, Audio and SATA
ROCKY-6612-1GZ-R10	PICMG 1.0 ULV Intel® Celeron® M 1GHz zero cache CPU Card with VGA, GbE, Audio and SATA
ROCKY-6612LVDS-1GZ-R10	PICMG 1.0 ULV Intel® Celeron® M 1GHz zero cache CPU Card with VGA, LVDS, GbE, Audio and SATA
CF-479B-RS	ROCKY-6612 Socket 479 type CPU cooler
32200-000017-RS	FDD cable
19800-000049-RS	LPT cable