

ROCKY-6612

Quick Installation Guide

Version 1.0

Jul. 20, 2006

Package Contents

ROCKY-6612 package includes the following items:

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



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F_PANEL1 : PWR & RST Buttons and Indicators panel				
	PIN	DESCRIPTION	PIN	DESCRIPTION
Power LED	1	+5V	2	+5V
	3	N/C	4	N/C
	5	GROUND	6	N/C
PWRBTN	7	PWRBTN-	8	Speaker
	9	GROUND	10	N/C
HDDLED	11	+5V	12	Reset
	13	HDLED-	14	Ground

DIO1 : Digital Input / Output Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	Ground	2	VCC
3	Output 3	4	Output 2
5	Output 1	6	Output 0
7	Input 3	8	Input 2
9	Input 1	10	Input 0

LINE_IN1: Audio LINE-IN Connector (Input)			
CD_IN1: Audio CD-IN Connector (Input)			
MIC_IN1: Audio MIC-IN Connector (Input)			
PIN NO.	DESCRIPTION		
	LINE-IN	CD-IN	MIC-IN
1	LEFT	LEFT	MIC-IN
2	GND	GND	GND
3	GND	GND	GND
4	RIGHT	RIGHT	NC

KB1 : 5-pin Header Keyboard Connector	
PIN	DESCRIPTION
1	KEYBOARD CLOCK
2	KEYBOARD DATA
3	N/C
4	GROUND
5	VCC

Ordering Information

ROCKY-6612LVDS-R10

PICMG 1.0 Socket 479 Intel PentiumM/Celeron M FSB533Mhz CPU Card with VGA, LVDS, GbE, Audio and SATA

ROCKY-6612LVDS-800Z-R10

PICMG 1.0 ULV Intel Celeron M 800 zero cache CPU Card with VGA, LVDS, GbE, Audio and SATA

ROCKY-6612-R10

PICMG 1.0 Socket 479 Intel PentiumM/Celeron M FSB533Mhz CPU Card with VGA, GbE, Audio and SATA

ROCKY-6612-800Z-R10

PICMG 1.0 ULV Intel Celeron M 800 zero cache CPU Card with VGA, GbE, Audio and SATA

Optional:

1. Socket 479 type CPU Cooler P/N:CF-479B-RS
2. FDD cable P/N: 32200-000017-RS
3. LPT cable P/N: 19800-000049-RS

Jumpers setting and Connectors

LABEL	FUNCTION
J_COMS1	CMOS state setting
J_FREQ1	CPU Frequency Selection
J_VCCA1	VCCA Voltage Selection
J_VLVDS1	LVDS Voltage Selection

LABEL	FUNCTION
KB_MS1	PS/2 MOUSE & KEYBOARD Connector
USB_C0 USB_C1	USB Port Connector
LAN1	LAN RJ45 Connector
VGA1	VGA 15-pin Female Connector
LINE_OUT1	External Audio Headphone Jack
LPT1	Parallel Port Connector
PIDE1 SIDE1	IDE Connectors
FDD1	FDC Connector
COM1 COM2	Internal Serial Port 10-pin Connectors
USB23 USB45 USB67	Internal 6 Port USB Connectors
IR1	IrDA Infrared Interface Connector
CPU_FAN1	CPU Fan Connectors
ATXCTL1	Backplane to Main Board ATX Power Control Connector
SATA1 SATA2	Serial ATA Connectors
DIO1	Digital I/O Connector
F_PANEL1	PWR & RST Buttons and Indicators
KB1	External 5-pin Header Keyboard Connector
LINE_IN1	Audio LINE-in Connector
CD_IN1	Audio CD-in Connector
MIC_IN1	Audio MIC-in Connector

J_COMS1 : Clear CMOS Setp	
	DESCRIPTION
1-2	Clear CMOS Setup
2-3 (default)	Keep CMOS Setup (Normal Operation)

J_FREQ1 :CPU Frequency Selection					
1-2	CPU	SRC	ZCLK	AGP	USB
Open	400 MHz	100 MHz	133.33 MHz	66.66 MHz	12.00 MHz
Short	533 MHz				

J_VCCA1 :CPU VCCA Voltage Selection	
1-2	CPU \
Open	400MHz
Short	533MHz

J_VLVDS1 :LVDS Voltage Selection	
J_VLVDS	DESCRIPTION
2-3	+5V LVDS
1-2	+3.3V LVDS

COM1 & COM2 : Internal Serial Port Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1	DATA CARRIER DETECT (DCD)	6	DATA SET READY (DSR)
2	RECEIVE DATA (RXD)	7	REQUEST TO SEND (RTS)
3	TRANSMIT DATA (TXD)	8	CLEAR TO SEND (CTS)
4	DATA TERMINAL READY (DTR)	9	RING INDICATOR (RI)
5	GROUND (GND)	10	N/C

USB23 、USB45 、USB67 : Internal USB Connector			
PIN	DESCRIPTION	PIN	DESCRIPTION
1.	VCC	2.	GROUND
3.	DATA-	4.	DATA+
5.	DATA+	6.	DATA-
7.	GROUND	8.	VCC

CPU_FAN1 : CPU Fan Connector	
PIN	DESCRIPTION
1	Ground
2	+12V
3	Rotation Signal
4	Control

ATXCTL1: Backplane to Mainboard ATX Connector	
PIN	DESCRIPTION
1	GND
2	PS_ON#
3	5VSB