

ROCKY-568EV / ROCKY-568SEV

PICMG-bus Pentium / K6 CPU Card with VGA/SCSI/LAN



Features

- Full size PICMG Bus CPU card
- Support Intel Pentium and AMD K6 CPU up to 550MHz or more
- Up to 768MB Memory, 3 SDRAM sockets
- CPU Chipset: VIA MVP3 66/100MHz CPU Clock
- Trident 9850 CRT Controller up to 1024x768 256 colors
- One 10/100Mbps Ethernet
- Adaptec Ultra Wide SCSI Interface
- Muti-I/O Chip: W83977
- Support four IDE HDDs
- Support one Floppy disks
- Support one EPP/ECP Parallel Port
- Support two 16C550 RS-232C Ports
- Watch-dog Timer
- LM78 Hardware Monitoring System
- Support USB/IrDA function

Monitoring and Alarm - The ROCKY-568 includes a multitude of monitoring and alarm functions to protect your board from high temperatures or over voltage exposure.

Description

The ROCKY-568 is a Socket 7 single board computer based on Intel's BX chipset. This card accommodates Intel Pentium and AMD K6 CPU and allows processor speed of up to 550 MHz or more. Together with a high speed Ethernet interface, Ultra II SCSI Interface and the AGP/PCI Accelerator, this board is very well suited for cost effective high end workstations for application such as CAD/CAM, Image processing etc.

AGP/PCI VGA I/F - Trident 9850 display chipset consists of high integration, super performance, and feature-rich 3D/2D graphics & video accelerators, it supports up to 1024 x 768 256 colors.

10/100 Mbps Networking - Realtek 8139 PCI 10BASE-T/100BASE-TX Ethernet interfaces are included for high speed networking.

Adaptec SCSI Interface - Ultra Wide SCSI offers the latest advancements in SCSI for next-generation servers, RAID subsystems, and workstations. This SCSI solutions are 100 percent compatible with the Ultra160 SCSI initiative and provide additional features that ensure robust Ultra Wide system operation.

Watchdog Timer - A 6-level Watchdog Timer can invoke an NMI or RESET the CPU when your application loses control over the system.

Ultra DMA HDD support - Ultra DMA doubles the current burst data transfer rate to 33 megabytes (MB) per second. Ultra DMA "widens" the path to the hard drive by transferring twice as much data per clock cycle.

DiskOnChip - The ROCKY-568 socket accommodates a DiskOnChip, a new generation of high performance single-chip Flash Disks up to 144 MB.

Model Number

Model Number	Description
ROCKY-568SEV	All-in-one Socket 7 (Pentium / K6) CPU card with VGA & Ethernet and SCSI
ROCKY-568EV	All-in-one Socket 7 (Pentium / K6) CPU card with VGA & Ethernet

Specifications

ROCKY-568SEV	
CPU	Pentium, Pentium MMX, K6, K6-2
CPU Socket	Socket 7
RAM	Up to 768MB (Three SDRAM memory)
Chipset	Intel BX Chipset
BIOS	AMI BIOS
SCSI Interface	<ul style="list-style-type: none"> • Adaptec AIC-7880 chipset • Ultra Wide SCSI
Multi-I/O Chip	<ul style="list-style-type: none"> • Winbond W83977F • Two 16C550 RS-232 ports • One EPP/ECP parallel port • One Floppy I/F • Two IDE I/F
Ethernet	<ul style="list-style-type: none"> • One Realtek 8139 chipset • 10/100Mbps • RJ-45 connector
Display Controller	<ul style="list-style-type: none"> • Trident AGP VGA 9850 chipset • Support CRT • Resolution up to 1024 x 768 256 colors
Flash Disk	Support DiskOnChip TM flash disk chip
Watch-Dog Timer	Can be set by 1, 2, 10, 20, 110 or 220 seconds period. RESET or NMI was generated when CPU did not periodically trigger the timer

Interface	PICMG Bus (ISA Bus and PCI Bus)
Keyboard I/F	PS/2 keyboard connector
Mouse I/F	PS/2 mouse I/F
USB I/F	Two on board USB ports (12Mb/s and 1.5Mb/s)
Power Supply	+5V/6.5A, +12V/170mA, -12V/60mA
Operating Temperature	+0°C to +60°C
Operating Humidity	0 to 90% non-condensing