

# ROCKY-C800EV

Embedded VIA Low Power CPU  
with VGA/LAN/Audio

**ALL-in-One  
PICMG Full-size  
SBC**

1GHz  
CPU

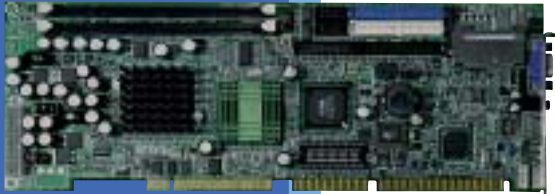
ROCKY-C800EV



DOC up to 288MB

CFII Support IBM Micro Drive,  
Compact Flash Memory Card

ROCKY-C800EVR-H



## SPECIFICATIONS

ISA PLUS™



- **CPU:** Embedded VIA C3 CPU 800MHz/1GHz (EBGA package) with FAN
- **System Chipset:** VIA 8601A + 686B, PCI 2.2 compliant
- **System Memory:** 2x DIMM up to 1GB SDRAM
- **Display: 64-bit Single Cycle 2D/3D Graphics Engine (VIA 8601A)**  
AGP 4X bus bandwidth up to 533 MB/sec  
Resolutions: up to 1600x1200 (UXGA)  
Integrated 24-bit 230MHz True Color DAC  
V-RAM: Share system memory up to 8MB  
Support I<sup>2</sup>C bus interface  
Connector: DB-15 for CRT display
- **Ethernet:** 1x 10/100Mbps fast Ethernet controller onboard  
(Intel 82559 / Realtek RTL8100)
- **SSD:** 1x Disk On Chip socket and 1x CompactFlash™ type II socket onboard
- **I/O:** —2x RS-232 series port by pin header (16C550 UARTs Compatible)  
—1x LPT by pin header (support SPP/EPP/ ECP mode)  
—1x IrDA by pin header (SIR mode)  
—3x USB port by pin header (USB 1.1 Compliant), one USB on bracket  
—1x FDD channel support 1.44MB, 2.88MB and 3-mode  
—2x ATA-100 IDE channel support CD-ROM; ZIP and LS-120 bootable.
- **Audio:** AC'97 compliant Audio CODEC (Line-in, Line-out, Mic-in by pin header)
- **WDT:** software programmable support 1~255 second system reset
- **ISA Plus™:** Design to enhance the ISA bus drive capability (64mA)
- **Hardware Monitoring (CPU Vcore; Vcc; CPU/System Fan speed and Thermal)**
- **ATX power control function:** Meets ACPI 1.1
- **Power Consumption:** +5VSB@180mA, +12V@170mA, +5V@3.8A  
(VIA C3 800MHz CPU with 512MB SDRAM x 2, Windows 2000)
- **Operating Temp:** 0-60°C (CPU cooler required)
- **Relative Humidity:** 5-95%, non-condensing
- **GW:** 900g

## ORDERING INFORMATION

- **ROCKY-C800EVN-[H] / ROCKY-C800EVN-1G**  
Embedded VIA C3 800MHz/1GHz CPU with VGA, Audio, LAN (i82559)
  - **ROCKY-C800EVR-[H] / ROCKY-C800EVR-1G**  
Embedded VIA C3 800MHz/1GHz CPU with VGA, Audio, LAN (RTL8100)
  - **CB-USB02** Dual port USB cable with bracket
- [H]: Heat Sink Code, None: Standard equipped with CPU cooler  
H: Optional CPU heat sink for fan-less operation (external cooling required)