

# ROCKY-512

ISA Bus Embedded NS-GX1-300 CPU

with CRT VGA, LAN, 64MB/128MB Onboard SDRAM

**Fan-Less and Cost Effective Solution**

**+5V Only**

## SPECIFICATIONS

**ISA BUS**



**ISA Master**

DOC

**64MB/128MB**

On board RAM



CF type II

- **CPU** : Embedded low power consumption National Semiconductor® Geode™ GX1 300MHz CPU
- **System chipset**: National Semiconductor® Geode™ GX1 with CS5530A
- **System memory** : Onboard 64 or 128MB SDRAM and 1x PC100/133 SDRAM slot up to 512MB
- **Display** : Built-in CS5530A chip
  - V-RAM: Shared with system memory up to 4MB, adjustable via BIOS setup program.
  - Resolution: Up to 1280x1024
  - Connector: DB-15 for CRT display
- **SSD** : 1x onboard Compact Flash™ type II socket and; One DiskOnChip socket
- **Ethernet** : 1x onboard Realtek RTL8100 10/100bps fast Ethernet controller
- **I/O** : —1x RS-232 and 1x RS-232/422/485 (selectable) serial ports by pin header
  - 1x LPT parallel port by pin header (supports SPP/EPP/ECP mode)
  - 1x IrDA (SIR mode)
  - 2x USB 1.1 port by pin header
  - 1x ATA/100 IDE channel supports CD-ROM, ZIP and LS-120 drive bootable
  - 1x FDD connector, support 1.44/2.88MB and 3-mode floppy drive
- **Digital I/O** : 4 pins for input and 4 pins for output
- **Hardware Monitoring** : Provides CPU Vcore, Vcc, CPU/System fan speed and temperature detecting function.
- **Power control function** : Meets ACPI 1.1 specification, comes with external power connector of 5V input
- **Power Consumption** : 5V@1.8A (with an extra 128MB SDRAM module)
- **Operating Temperature** : 0~60°C
- **Relative Humidity** : 5~95%, non-condensing

## ORDERING INFORMATION

- **ROCKY-512** Embedded NS GX1-300MHz CPU with VGA, LAN
- **ROCKY-512-64MB** Embedded NS GX1-300MHz CPU with onboard 64MB SDRAM, VGA, LAN
- **ROCKY-512-128MB** Embedded NS GX1-300MHz CPU with onboard 128MB SDRAM, VGA, LAN