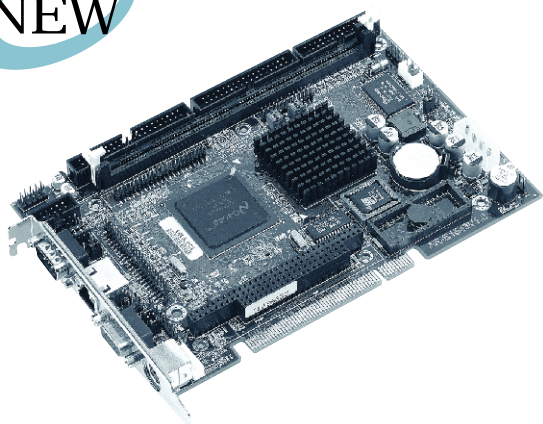# Half-size NS Geode GX1 PCI-bus CPU Card with VGA (CRT/LCD), LAN, DOC, Compact Flash (Optional)

AR-B1543

NEW

Features

- On-board NS Geode GX1 300MHz
- NS CS5530A chipset
- On-board one 168-pin DIMM socket supports SDRAM memory up to 128MB
- Supports Compact Flash interface and one socket for Disk On Chip (DOC)
- Built-in CRT/LCD Display interface
- On-board 10/100M Base-T Ethernet function
- Supports two USB ports
- PCI standard compliant
- PCB size: 185 mm x 122 mm (7.3" x 4.8")

Specifications

General

CPU	On-board NS Geode GX1 300MHz
Chipset	NS CS5530A
BIOS	AWARD
System Memory	One 168-pin DIMM socket, supports 128MB SDRAM memory maximum
Watchdog	Software programmable 1~63 seconds
RTC	Chipset including, supports ACPI function with 7 years data retention
Serial Port	One RS-232C COM A shared with RS-485
	One RS-232C COM B shared with IrDA and Touch Screen
Parallel Port	One parallel port, support SSP/EPP/ECP modes
Enhanced IDE	One IDE 40-pin port, supports two Ultra DMA/33 3.5" IDE devices
	One IDE 44-pin port, support 2.5" HDD or Compact Flash interface <AR-B9462A>(Optional)
FDD interface	Supports one FDC port
USB	Supports two USB connectors, USB 1.0 compliant
Keyboard and PS/2 mouse	Supports PS/2 compatible connector and mini-DIN connector located at bracket

VGA display

Chipset	NS CS5530A on-chip VGA, shared system memory 1~4MB
Interface	CRT - D-sub 15-pin female connector at bracket
	LCD - supports 18-bit TFT LCD Panel with TTL interface, 2.00mm 2x22-pin header connector
	LVDS interface, 2.00mm 2x13-pin header connector

LAN

Chipset	Realtek RTL8100B
Interface	Supports 10/100Mbps Base-T with RJ-45 connector built-in LED

Solid State Disk

Solid State Disk	One socket for Disk On Chip (DOC) memory capacity 8~288 MB

Expansion Slot

Expansion Slot	One PC/104 expansion ISA bus

Mechanical and Environmental:

Power requirements	+5V, supports ATX power function
Dimensions	185 mm x 122 mm (7.3" x 4.8")
PC Board	6 layers
Operating temperature	0~60°C
Storage Temperature	-20~80°C
Operating humidity	0% ~ 90% Relative humidity non-condensing

Ordering information:

Model No.	Description	Accessories
AR-B1543	Half-size NS Geode GX1 PCI-bus CPU Card with VGA (CRT/LCD), LAN, DOC, Compact Flash (Optional)	1.Cable: HDD/FDD CablesParallel/COM port Cables PS/2 Y Cable for keyboard & mouse 2.AR-B9462A compact flash (Option) 3.CD drivers: IDE, VGA, LAN, drivers for Windows 95/98, NT, OS/2, Linux