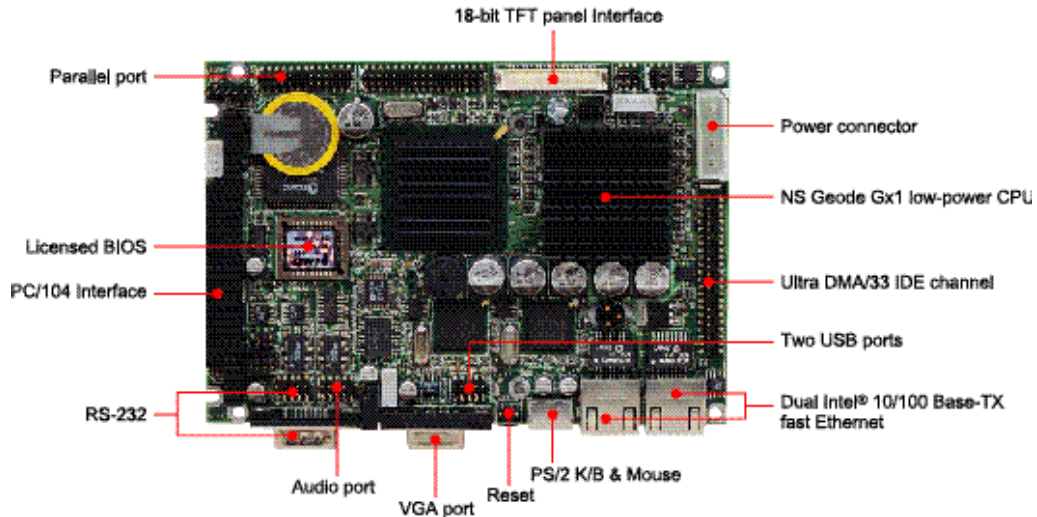


# ROBO-503

NS GX1 Processor Based 3.5" Embedded SBC with CRT/LCD, Dual Ethernet and Audio



- On-board NS Geode GX1 BGA CPUs
- NS Geode CS5530A support CRT and 18-bit TFT panels
- 3.5" FDD SubCompact form factor
- Support type II compact flash disk
- Dual Intel® 82559ER 100 Base-TX fast Ethernet
- Integrated AC-97 2.0 sound blaster compatible audio
- 5V only operation
- PC/104 expansion connector

## Specifications

### CPU

- On-board NS Geode GX1 200/300MHz (available in different speeds by special order)
- BGA package (Capable to support NS Geode GXm, GXLV, and GX1)

### Chipset

- NS Geode CS5530

### Memory

- On-board one 144pin SODIMM socket supports up to 256 MB SDRAM

### BIOS

- Award 256KB FLASH BIOS

### On-Board I/O

- Winbond W83977F-A
- Two RS-232, one Parallel port
- Two USB ports, one IrDA interface

### Watchdog Timer

- Generate a system reset, IRQ15 or NMI. Software selectable time-out interval (16 sec. ~ 7666 sec., 30 sec./step)

### Power Requirement

- 5V @ 1.66A w/GX1 200MHz

### Board Dimension

- 150(L) x 100(W) mm (3.5" FDD-size)
- 5.9"(L) x 3.94"(W)

### Operating Temperature

- 0 to +55°C

### Storage Temperature

- -40 to +75°C

### Relative Humidity

- 5 to 95% non-condensing

## Additional Functionality

### Flat Panel / VGA Interface

- NS CX5530
- Shared display memory up to 4MB
- Simultaneously display CRT and flat panel

### Dual Ethernet Interface

- On-board dual Intel 82559ER PCI-bus Ethernet controllers
- PCI 100/10 Mbps, IEEE 802.3U compatible
- For diskless system

## Ordering Guide

### ROBO-503

NS GX1 processor based 3.5" embedded system based with CRT/LCD, dual Ethernet and Audio

### ROBO-503N

ROBO-503 with single Ethernet

