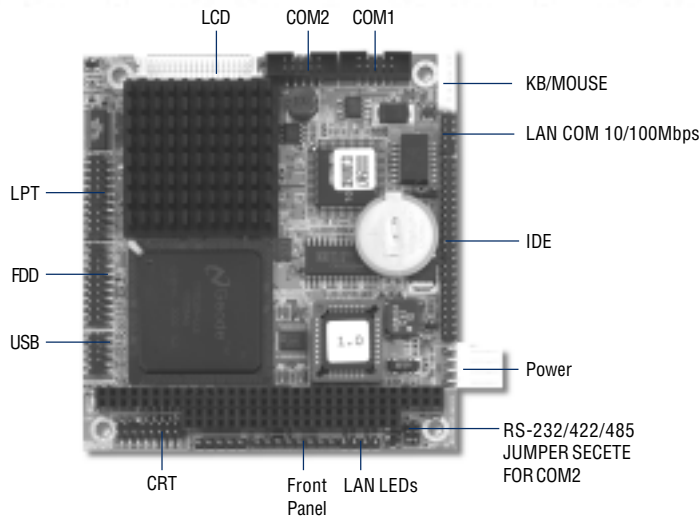


# Em104-n513

## NS Geode GX1-300 PC/104 Module with Flat Panel/CRT & LAN



### Features



- ★ Ultra Low Power NS Geode GX1-300
- ★ Optional 256 MB on SODIMM
- ★ Flat Panel / CRT
- ★ LAN 10/100Mbps, RTL8100BL

### Specifications

#### System

- **CPU:** Low power embedded NS Geode GX1 300 MHz CPU with 16K Byte 1st Level Cache
- **System Memory:** One 144-Pin SODIMM socket, up to max. 256 MB SDRAM
- **L2 Cache:** 64KB integrated in CPU
- **Chipset:** GX1 with NS CS5530A
- **BIOS:** Award Flash BIOS Green
- **Watchdog Timer:** 1.6~256 level
- **Expansion :** PC/104 (ISA)

#### Multiple I/O

- **Serial:** 1 high speed RS-232C port (COM1)  
1 high speed RS-232C/422/485 port (COM2)
- **Parallel:** SPP, EPP and ECP mode, BIOS enabled/disabled
- **Enhanced IDE:** 1 port and up to 2 ATAPI devices, Ultra DMA transfer rates 33 MB/sec
- **Floppy:** 1 port up to 2 floppy disk drives
- **IrDA:** SIR IrDA 1.1 compliant
- **USB:** 2 USB V. 1.1 ports
- **KB/Mouse:** 6 pin box header for PS/2 keyboard and Mouse

#### LAN

- **Chipset:** Realtek RTL8100BL 10/100Mbps
- **Connector:** 10-pin onboard pin header

#### Flash Disk

- Compact Flash Socket Type I/II

#### Display

- **Chipset:** CS5530A integrated
- **Display Memory:** Up to 4 MB Video RAM (UMA)
- **Display Type:** CRT and Flat Panel (TFT only)
- **Resolution :** 1024 x 768 at 16-bit or 1280 x 1024 with 8-bit
- **LCD Interface:** TTL 18-bit LCD panel

#### Mechanical and Environment

- **Power Requirement:** +5V @ 0.98A (MAX)  
(GX1 300MHz CPU and 256MB SDRAM)
- **Operating Temperature:** 0 ~ 60°C (32 ~ 140°F)
- **Relative Humidity:** 0%~90%
- **Dimension (L x W):** 96 x 90mm (3.8" x 3.5")
- **Weight:** 0.11Kg (0.24 lb)

### Ordering Information

#### Em104-n513/VL

PC/104 NS GX1 Module with one SODIMM up to 256MB SDRAM, Flat Panel / CRT, Fast Ethernet