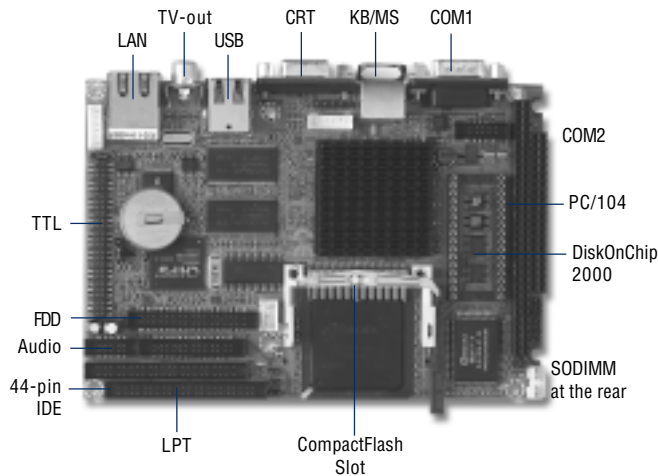


EmCORE-n511

3.5" NS Geode GX1-300 Miniboard with Flat Panel / CRT, Audio and LAN



Features



- ★ Ultra Low Power NS Geode GX1-300
- ★ 64 MB SDRAM soldered onboard, additional 256 MB on SODIMM
- ★ Flat Panel / CRT / TV-out
- ★ LAN 10/100 Mbps, RTL8100BL
- ★ Audio Support

Specifications

System

- **CPU:** Low power embedded NS Geode GX1 300 MHz CPU with 16 kByte 1st Level Cache
- **System Memory:** 64 MB SDRAM soldered onboard and one SODIMM socket for up to 256 MB of additional SDRAM
- **L2 Cache:** 64KB
- **Chipset:** GX1 with NS CS5530A
- **Enhanced IDE:** 2 ports and up to 4 ATAPI devices, Ultra DMA transfer rates 33 MB/sec
- **BIOS:** Award Flash BIOS Green, Multiple boot function
- **Watchdog Timer:** 1~127 sec 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
- **Floppy:** 1 port up to 2 floppy disk drives
- **IrDA:** SIR IrDA 1.1 compliant
- **USB:** 2 ports
- **KB/Mouse:** 1 PS/2 keyboard and one PS/2 mouse

LAN

- **Chipset:** Realtek 8100BL
- **Ethernet Interface:** 10/100 Mbps, auto-switching
- **Connector:** RJ45 with LED

Audio

- **Chipset:** NS CS5530A integrated
- **Audio Controller:** AC'97 Ver. 2.2 Compliant Interface

Flash Disk

- CompactFlash Type I/II
- DiskOnChip2000

Display

Flat Panel / CRT (EmCORE-n511VL)

- **Chipset:** CS5530A integrated
- **Display Memory:** Up to 4 MB Video RAM (UMA)
- **Display Type:** CRT, Flat Panel (TFT only), TV-out
- **CRT:** 1024 x 768 at 16-bit or 1280 x 1024 with 8-bit
- **LCD Interface:** TTL 18-bit
- **TV Out:** NTSC and PAL @ 640 x 480

Flat Panel / CRT (EmCORE-n511VLC)

- **Chipset:** C&T 69000 HiQVideo™ accelerator
- **Display Memory:** 2 MB SDRAM on dye
- **Display Type:** CRT and Flat Panel (TFT, DSTN, SSTN, EL, Plasma)
- **Resolution:** 800x600 @ 18bpp, 1024x768 @ 16bpp, 1280x1024 @ 8bpp
- **LCD Interface:** TTL 36-bit

Mechanical and Environment

- **Power Requirement:** +5 V @ 1.32A (MAX)
(NS Geode GX1-300 with CT6900 and 256 MB SDRAM)
- **Operating Temperature :** 0 ~ 60°C (320 ~ 140°F)
- **Relative Humidity :** Up to 90% @ 55°C
- **Dimension (L x W):** 145 x 102 mm (5.7" x 4")
- **Weight:** 0.24 Kg (0.4 lb)

Ordering Information

EmCORE-n511VLC

3.5" NS Geode GX1 300 miniboard with 64 MB SDRAM onboard, C&T 69000 Flat Panel / CRT SVGA, Audio and LAN

EmCORE-n511VL

3.5" NS Geode GX1 300 miniboard with 64 MB SDRAM onboard, Flat Panel / CRT SVGA, TV-out, Audio and LAN

Cable Kit

6910705110000

SCDB-1271

DC to DC Power Module

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