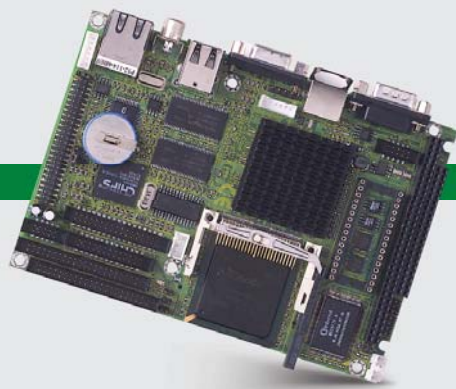


EmCORE-n511

3.5" AMD Geode GX1 300MHz Miniboard with LCD / CRT,
Audio, LAN and 64MB SDRAM onboard



Features

- AMD Low Power Geode GX1-300
- 64MB SDRAM onboard and 1 x 144-pin SO-DIMM up to 256MB SDRAM, total 320MB
- Support LCD / CRT / TV-out
- LAN 10/100 Mbps, RTL8100BL
- Audio Support VESA2
- Fanless

System

CPU	AMD Low Power Geode GX1 300MHz CPU FSB33MHz
Cache	1st level 16KByte
Memory	64 MB SDRAM Onboard and 1 x 144Pin SO-DIMM up to 256MB SDRAM, total 320MB
Chipset	AMD GX1-300 + AMD CS5530A
BIOS	Phoenix-AWARD PnP Flash BIOS
ATA/IDE	2 x Ultra DMA33, support 4 IDE drives
Flash Disk	1 x Type II Compact Flash Disk Socket 1 x Disk On Chip Socket
Watchdog Timer	127-level Reset

I/O

Serial port	1 x RS-232 port (COM1) 1 x RS-232/422/485 port (COM2)
Parallel port	SPP/EPP/ECP mode
Floppy	Support 2 floppy disk drives
IrDA	1 x SIR IrDA 1.1 compliant
USB	2 x USB 1.1 compliant
KB/MS	1 x PS2 K/S and Mouse
Expansion Bus	1 x 16bit ISA-based PC/104 interface

Ethernet

Chipset	Realtek 8100BL 10/100base-T Built-in Boot ROM in Flash BIOS, support Boot from LAN
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Audio

Codec / Interface	VIA VT1612A AC97 Codec, support Mic-in / Line-in / Line-out
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Display

Type	EmCORE-n511VL
Graphics chipset	AMD CS5530A Graphics Engine up to 4MByte UMA Video RAM
Graphics Interface	CRT support up to 1024 x 768 LCD support 18 bit TTL up to 1024 x 768 TV-Out support NTSC / PAL up to 640 x 480
Type	EmCORE-n511VLC
Graphics chipset	C&T 69000 Graphics Engine up to 2MByte Video RAM on die
Graphics Interface	CRT support up to 1024 x 768 LCD support 36 bit TTL up to 1024 x 768

Mechanical & Environmental

Power Consumption	EmCORE-n511VL 5V/1.2A (Max.)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Operating Humidity	0 ~ 90% (non-condensing)
Dimension (L x W)	145 x 102mm (5.7" x 4")

Ordering Information

EmCORE-n511VL	3.5" AMD Geode GX1 300MHz miniboard with LCD/CRT, Audio and 64MB SDRAM on board
EmCORE-n511VLC	Same as above with C&T69000
(Optional)	
Cable Kit	CBK-07-0511-00 Page 5-2
Memory Module	SDRAM 64MB SO-DIMM 144Pin SDRAM 128MB SO-DIMM 144Pin SDRAM 256MB SO-DIMM 144Pin