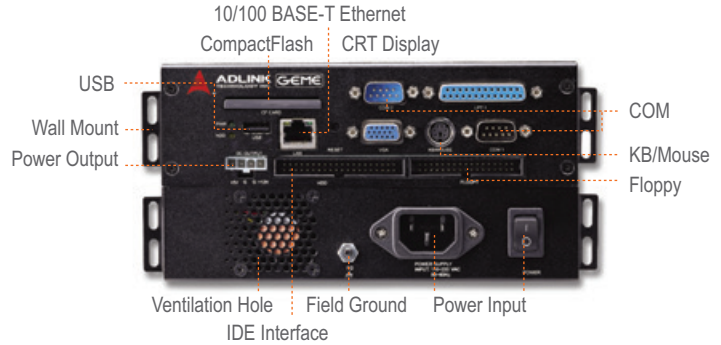


GEME-1000 Series

GX1-300 General Embedded Machine Engine

*Last Buy in April, 2006; EOL in June, 2006.

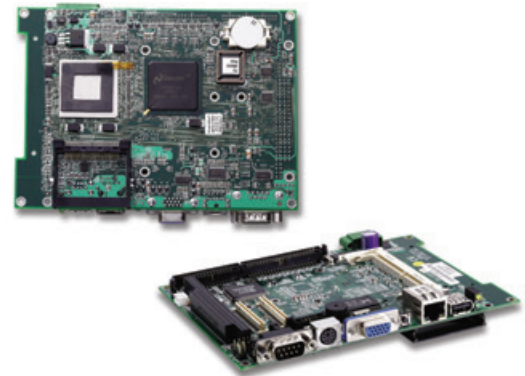
GEME-1000 Series



EBC-G300

Specifications

GEME	Model Number	GEME-1000
SBC	Model Number	EBC-G300
	CPU	NS GeodeGX1 300MHz
	System Memory	One 144-pin SODIMM sockets, Accepts up to 128 MB unbuffered SDRAM
	Chipset	NS GeodeGX1 + CS5530A
	VGA	VGA Controller Built-in 2D Accelerator Up to 1280 x 1024 in 8-bit color at 85Hz refresh rate Video memory sharing from main memory Memory size is controlled by device driver from 1MB up to 4MB
	BIOS	Award BIOS, supports PnP
	USB	One USB ports, USB 1.0 compliant
	Ethernet	Realtek RTL8139C chipset, 10BaseT/100BaseTx
	Enhanced IDE	Bus Master IDE controller, one EIDE interfaces for up to two devices, supports PIO Mode 3/4 or Ultra DMA/33 IDE devices, including Hard Disk Drive, ATAPI CD-ROM, LS120, and ZIP drives.
	CompactFlash	50 pin socket for CompactFlash Type I
	Super I/O Chipset	Winbond W83977F-A
	PCI to ISA Bridge	Build in NS CS5530A
	Hardware Monitoring	Build-in Winbond W83781D, monitors CPU temperature, voltage (+3.3V, +5V, +12V) and battery
	COM Port	COM1/COM2: 16550 UART compatible ports with RS-232 interface
	Parallel Port	One high-speed parallel port, SPP/EPP/ECP mode
	Keyboard/Mouse	Combed PS/2 type mini-DIN connectors
	Floppy Interface	Supports two floppy drives (360KB, 720KB, 1.2MB, 1.44MB, 2.88MB)
	PMC Interface	On-board one 32-bit 33MHz PMC module socket for functionally expansion
	PC104 Interface	16-bit PC/104 interface for functionally expansion
	Watchdog Timer	Program I/O port 3F0H and 3F1H to configure watchdog timer Time-out timing select 0-7635 seconds/minutes
	Dimensions	122 mm x 167.5 mm



GEME	Model Number	GEME-1000
System	Power Supply	Universal input AC 100 VAC to 220 VAC, Max. output : +5V 11.5A, +12V 3A, -12V 0.5A DC input: 10VDC to 30VDC Max. input current: 13A at 10VDC Max. output: +5V 10A, +12V 1.5A, -12V 0.3A
	Operating Temp.	-10°-55°C
	Humidity	0%-90%
	Dimensions	183 x 144 x 110mm [16.84 mm(H) for each extension kit]
	Power Consumption	With 128MB SDRAM +5V 2A, +12V 300mA Test conditions: (1) CPU 100% loading (2) No HDD, CD ROM, extension module
	Power Output	+5V Max. 1A, +12V Max. 1A
	Storage	Internal: One 44-pin IDE, Disk on Chip (DOC) interface External: One 40-pin IDE, One 34-pin FDD
	Operation System	Windows XP/XPe/CE.NET, Linux