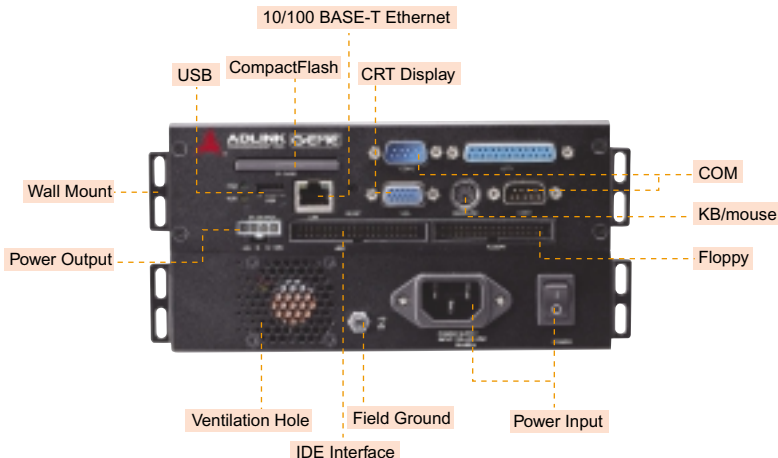


GEME-1000 Series

GX1-300 General Embedded Machine Engine

◆ GEME-1000 series



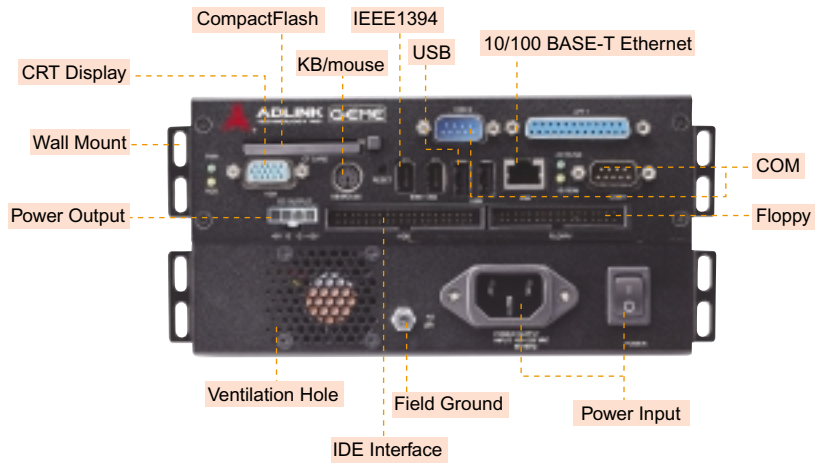
GEME-1000		
SBC	SBC Model No.	EBC-G300
	CPU	NS GeodeGX1 300MHz
	System Memory	One 144-pin SODIMM sockets, Accepts up to 256 MB un-buffered SDRAM
	Chipset	NS GeodeGX1 + CS5530A
	VGA	<ul style="list-style-type: none"> VGA Controller Built-in 2D Accelerator Up to 1280 x 1024 in 8-bit color at 85Hz refresh rate Video memory sharing from main memory Memory size is controlled by device driver from 1 MB up to 4 MB
	BIOS	Award BIOS, supports PnP
	Video Capture	No
	USB	One USB port, USB 1.0 compliant
	IEEE 1394	No
	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, monitoring CPU temperature, voltage and battery, +3.3V,+5V,+12V voltage.
	COM Port	COM1: 16550 UART compatible port with RS-232 interface COM2: One 16550 UART compatible port with RS-232/422/485
	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	On-board one 32-bit 33MHz PMC module socket for functionally expansion
	PC104 Interface	16-bit ,PC/104 interface for functionally expansion
	AGP Module Interface	No
	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	
System	Power Supply	Universal input AC 100 VAC to 220 VAC ,Max. output : +5V 11.5A, +12V 3A, -12V 0.5A
	Operating Temp.	0°C~55°C
	Humidity	0%~90%
	Dimensions	183 x 144 x 110 mm [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 2.5" HDD interface, Disk on Chip(DOC) interface External : One 40 Pin IDE Interface, One 34 Pin FDD Interface
	GPIO	No
	Operation System	Windows CE, Windows XP Embedded, Linux

◆ EBC-G300

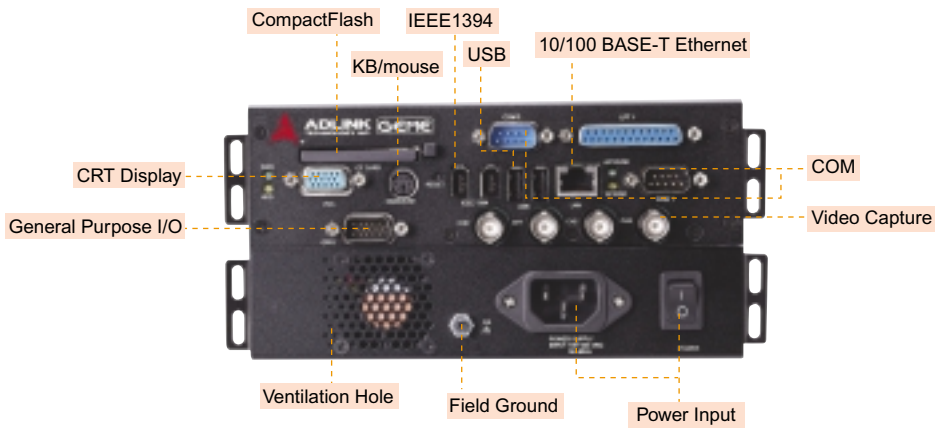


GEME-2000/3000 Series

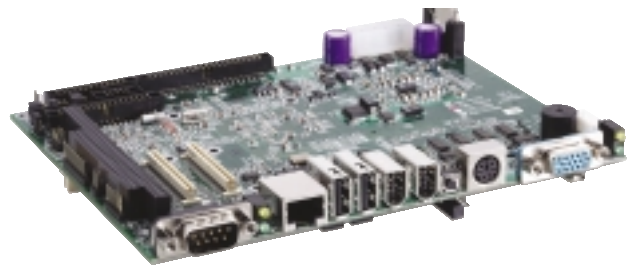
◆ GEME-2000/3000 series



◆ GEME-V2000/V3000 series



◆ EBC-P300V



GEME-2000/3000 Series

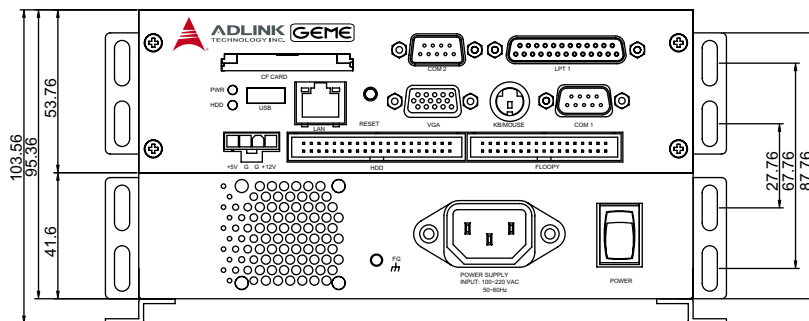
Specifications

		GEME-2000	GEME-V2000	GEME-3000	GEME-V3000
SBC	SBC Model No.	EBC-C200	EBC-C200V	EBC-P300	EBC-P300V
	CPU	Ultra Low Voltage Celeron 650 MHz		Low Voltage Pentium III 800 MHz	
	Cache	256 KB on-die Advanced Transfer Cache (ATC)		512 KB on-die Advanced Transfer Cache (ATC)	
	System Memory	One 144-pin SODIMM sockets, Accepts up to 256 MB un-buffered SDRAM			
	Chipset	Intel 815E AGP chipset 82815E Graphics and Memory Controller Hub (GMCH) 82801BA I/O Controller Hub 2 (ICH2)			
	VGA	<ul style="list-style-type: none"> On-board VGA controller built-in AGP (3D hyper pipelined architecture) Up to 1600 x 1200 in 8-bit color at 85 Hz refresh rate Video memory sharing from main memory with Intel Dynamic Video Memory Technology (DVMT) Memory size is controlled by device driver from 1 MB up to 11 MB 			
	BIOS	Award BIOS, support PnP			
	Video Capture	No	Conexant Fusion878A Video decoder processor 4-CH NTSC/PAL input	No	Conexant Fusion878A Video decoder processor 4-CH NTSC/PAL input
	USB	Two USB ports, USB 1.1 compliant			
	IEEE 1394	Texas Instruments TSB43AB23 1394a-2000 OHCI PHY/link-layer controller Three IEEE-1394 ports (two external , one internal)			
	Ethernet	Intel 82562EM 10BaseT/100BaseTx			
	Enhanced IDE	Bus Master IDE controller, EIDE interfaces for up to two devices, support PIO Mode 3/4 or Ultra DMA/100 IDE devices, including Hard Disk Drive, ATAPI CD-ROM, LS120, and ZIP drives.			
	CompactFlash	50 pin socket for CompactFlash Type I/II			
	Super I/O Chipset	Winbond W83627HF			
	PCI to ISA Bridge	Integrated Technology IT8888F PCI to ISA Bridge			
	Hardware Monitoring	Build-in Winbond W83627HF, monitoring CPU temperature, voltage and battery, +3.3V, +5V, +12V voltage			
	COM Port	COM1: 16550 UART compatible port with RS-232 interface COM2: One 16550 UART compatible port with RS-232/422/485			
	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			
	AGP Module Interface	No	The AGP interface only supports AGP 1.5V signaling level, Connector use MiniPCI Type III socket	No	The AGP interface only supports AGP 1.5V signaling level, Connector use MiniPCI Type III socket
	Watchdog Timer	Time-out timing select 0~255 seconds or 0~255 minutes			
	Dimensions	129 mm x 167.5 mm			
	System	Power Supply	Universal input AC 100 VAC to 220 VAC ,Max. output : +5V 11.5A, +12V 3A, -12V 0.5A		
Operating Temp.		0°~45°C			
Humidity		0%~90%			
Dimensions		183 x 144 x 110 mm [16.84 mm(H) for each extension kit]			
Power Consumption		With 256 MB SDRAM +5V 4.5A, +12V 300mA		With 256MB SDRAM +5V 6.5A, +12V 300mA	
		Test conditions: (1) CPU 100% loading (2) No HDD, CD ROM, extension module			
Power Output		+5V Max. 1A, +12V Max. 1A	No	+5V Max. 1A, +12V Max. 1A	No
Storage		Internal : One 2.5" HDD interface Disk on Chip(DOC) interface	Internal : One 2.5" HDD interface	Internal : One 2.5" HDD interface HDD interface Disk on Chip(DOC) interface	Internal : One 2.5" HDD interface
		External : One 40 Pin IDE Interface One 34 Pin FDD Interface	External : No	External : One 40 Pin IDE Interface One 34 Pin FDD Interface	External : No
GPIO		No	One TTL Digital input One TTL Digital Output One TTL programmable trigger output	No	One TTL Digital input One TTL Digital Output One TTL programmable trigger output
Operation System	Windows CE, Windows XP Embedded, Linux				

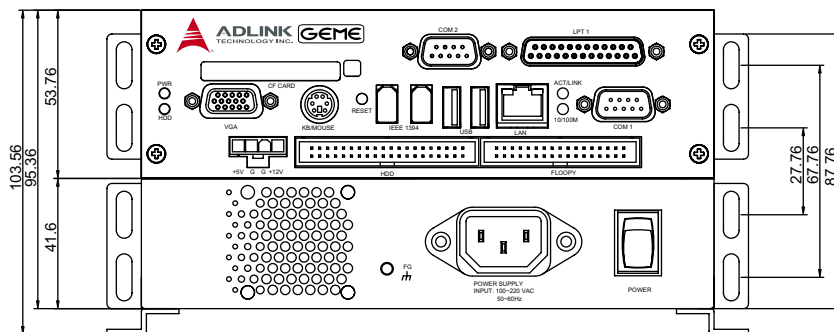
Dimensions of GEME Series

Front View

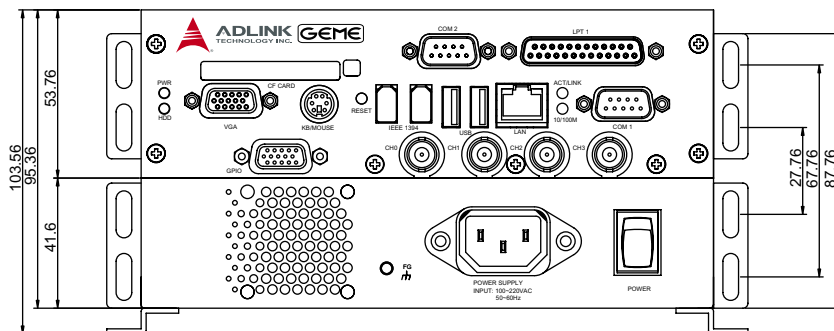
GEME-1000 series



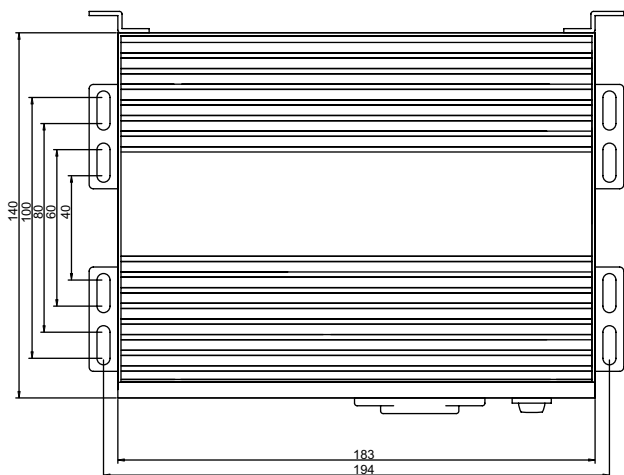
GEME-2000/3000 series



GEME-V2000/V3000 series



Top View



Side View

