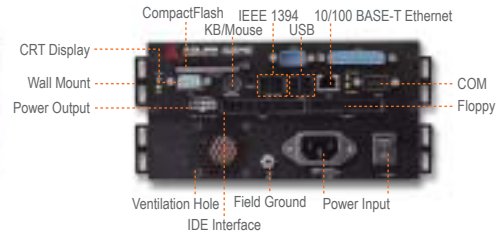


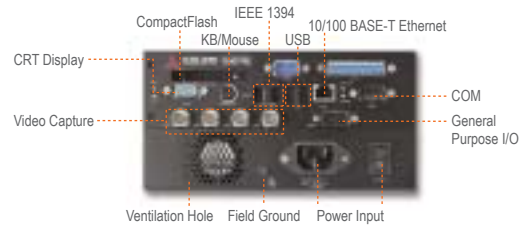
# GEME-2000/3000 Series

Ultra Low Voltage Celeron 650/Pentium III 800 General Embedded Machine Engine

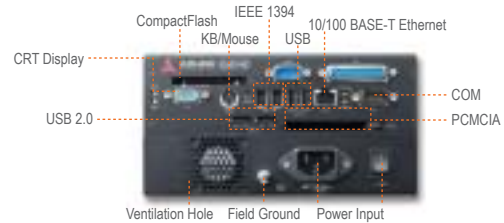
## GEME-2000/3000 Series



## GEME-V2000/V3000 Series



## GEME-S2000/S3000 Series



## EBC-P300V



## Specifications

GEME	Model Number	GEME-(S)2000	GEME-V2000	GEME-(S)3000	GEME-V3000
SBC	Model Number	EBC-C200	EBC-C200V	EBC-P300	EBC-P300V
	CPU	Ultra Low Voltage Celeron 650MHz		Low Voltage Pentium III 800MHz	
	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	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	None	Conexant Fusion878A Video decoder processor 4-CH NTSC/PAL input	None	Conexant Fusion878A Video decoder processor 4-CH NTSC/PAL input

GEME	Model Number	GEME-(S)2000	GEME-V2000	GEME-(S)3000	GEME-V3000
SBC	Model Number	EBC-C200	EBC-C200V	EBC-P300	EBC-P300V
	USB	Two USB ports, USB 1.1 compliant Two more USB ports, USB 2.0 compliant for GEME-S2000/S3000			
	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 (40-pin connector on front panel for external drive available on standard GEME-2000/30000)			
	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/COM2: 16550 UART compatible ports with RS-232 interface			
	Parallel Port	One high-speed parallel port, SPP/EPP/ECP mode			
	Keyboard/Mouse	Combined PS/2 type mini-DIN connectors			
	Floppy Interfaces or PCMCIA	Supports two floppy drives (360KB, 720KB, 1.2MB, 1.44MB, 2.88MB). Front panel 34-pin connector for standard GEME-2000/3000. PC Card Standard 8.0 Release Type I/II for GEME-S2000/3000.			
	PMC Interface	On-board 32-bit 33Mhz PMC socket for functionally expansion			
	PC104 Interface	16-bit, PC/104 interface for functionally expansion			
	AGP Module Interface	None	AGP 1.5V interface reserved on internal MiniPCI connector	None	AGP 1.5V interface reserved on internal MiniPCI connector
	Watchdog	Timer Time-out timing select 0-255 seconds or 0-255 minutes			
	Dimensions	129mm x 167.5mm			
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°C- 55°C	-10°C- 50°C	-10°C- 55°C	-10°C- 50°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 None on S-Series	None	+5V Max. 1A +12V Max. 1A None on S-Series	None
	Storage	Internal: One 44-pin IDE Disk on Chip(DOC) interface External: One 40-pin IDE One 34-pin FDD	Internal: One 44-pin IDE  External : None	Internal: One 44-pin IDE Disk on Chip(DOC) interface External : One 40-pin IDE One 34-pin FDD	Internal: One 44-pin IDE  External : None
	GPIO (TTL)	None	One digital input One digital output One programmable trigger output	None	One digital input One digital output One programmable trigger output
	Operation System	Windows CE.Net, Windows XP, Windows XP Embedded, Linux			
Random Vibration	Operating: 5-100Hz, 0.00142 g2/Hz; 100-500Hz, -6dB/Octave; 0.5Grms, 3axes, 30 minutes/axis Non-operating: 5-100Hz , 0.02g2/Hz; 100-500Hz , -6dB/Octave; 1.88Grms, 3 axes, 1hr/axis (IEC 68-2-64)				

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