GEME-2000/3000 Series

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





Specifications

		GEME-2000	GEME-3000
SBC	Model No.	EBC-C200	EBC-P300
	CPU	Ultra Low Voltage Intel® Celeron® 650MHz	Low Voltage Intel® 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 256MB un-buffered SDRAM	
	Chipset	Intel® 815E AGP chipset	
		Intel® 82815E Graphics and Memory Controller Hub (GMCH)	
		Intel® 82801BA I/O Controller Hub 2 (ICH2)	
	VGA	On-board VGA controller built-in AGP	
		Up to 1600 x 1200 in 8-bit color at 85Hz refresh rate	
		Video memory sharing from main memory, up to 11MB	
	BIOS	Award BIOS, support PnP	
	USB	Two USB ports, USB 1.1 compliant	
	IEEE 1394	Three IEEE-1394 ports (two external , one internal)	
	Ethernet	Intel® 82562EM 10BaseT/100BaseTx	
	Super I/O Chipset	Winbond W83627HF	
	PCI to ISA Bridge	Integrated Technology IT8888F PCI to ISA Bridge	
	Hardware Monitoring	Built-in Winbond W83627HF, monitoring CPU temperature	
	COM Port	COM1/ COM2: 16550 UART compatible 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 Interface	Supports two floppy drives (360kB, 720kB, 1.2MB, 1.44MB, 2.88MB), 34-pin header on-board.	
	PMC Interface	1 on-board 32-bit 33MHz PMC module socket	
	PC104 Interface	16-bit, PC/104 interface for functionally expansion	
	Watchdog Timer	Time-out timing selectable 0-255 seconds or 0-255 minutes	
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 140 x 95.36 mm (wall mount kit not included) [16.84 mm(H) for each extension kit]	
	Power Consumption	With 256MB 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	
	Storage	Storage 50 pin socket for CompactFlash Type I/II	
		One 44-pin IDE HDD (Optional)	
	Operating System	Windows® CE, Windows® XP Embedded, Linux	
	Random Vibration	Operating: 5-100Hz, 0.00142 g2/Hz; 100-500Hz, -6dB/Octave, 0.5Grms, 3axes, 30 minutes/axis	

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