

GEME-42000/GEME-52000

Ultra Low Voltage Intel® Celeron® M 1GHz / Low Voltage Intel® Pentium® M 1.4GHz
General Embedded Machine Engine



Specifications

		GEME-42000	GEME-52000
SBC	SBC Model No.	EBC-P400	
	CPU	Ultra Low Voltage Intel® Celeron® M 1.0GHz	Low Voltage Intel® Pentium® M 1.4GHz
	Cache	512 KB on-die Advanced Transfer Cache (ATC)	1 MB/2 MB on-die Advanced Transfer Cache (ATC)
	System Memory	One SODIMM socket for up to 1GB DDR333	
	Chipset	Intel® 855GME Graphics and Memory Controller Hub (GMCH) Intel® I/O Controller Hub 4 (ICH4)	
	VGA	On-board VGA controller built-in AGP Up to 1600 x 1200 in 32-bit color at 85Hz refresh rate	
	BIOS	Award BIOS, support PnP	
	USB	Two USB ports, USB 2.0 compliant, IEEE-1394a	
	Ethernet	Intel® 82562EM 10BaseT/100BaseT x 1 Intel® 82541PI 1000Base-T/100Base-TX/10Base-T x 1 (Optional)	
	Super I/O Chipset	Winbond W83627HF	
	Hardware Monitoring	Built-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, COM2 also supports RS-422, RS-485	
	Parallel Port	One high-speed parallel port, SPP/EPP/ECP mode	
	Keyboard/Mouse	Combined PS/2 type mini-DIN connectors	
	Floppy Interface	None	
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 1-255 seconds		
System	Power Supply	AC input: 100 V _{ac} to 220 V _{ac} , Max. output : +5V 11.5A, +12V 3A, -12V 0.5A DC input: 10V _{dc} to 30V _{dc} , Max. input current: 13A at 10V _{dc}	
	Operating Temp.	-10°C to +50°C	
	Humidity	0 to 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 512MB DDRAM +5V 4.0A, +12V 300mA	With 512MB DDRAM +5V 5.5A, +12V 300mA
	Storage	Test conditions: (1) CPU 100% loading (2) No HDD, CD ROM, extension module 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 g _{rms} /Hz; 100-500Hz, -6dB/Octave, 0.5Grms, 3axes, 30 minutes/axis	

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Software

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GEME
Series

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DPAC

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Motion
Control

5
Vision

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HSL

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Industrial
Communication

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CompactPCI
system &
Industrial
Computers

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NuDAM