

GEME-12000



Low Power Consumption AMD Geode™ LX800 General Embedded Machine Engine ❖



Specifications

| | Model No. | GEME-12000 |
|-----------------|---|---|
| SBC | CPU | AMD Geode™ LX800 CPU up to 500MHz |
| | Cache | 128 KB L2 cache |
| | System Memory | One SODIMM socket for up to 512MB DDR400 |
| | Chipset | AMD CS5536 Chipset |
| | VGA | Integrated in the AMD Geode™ LX 800 CPU/Northbridge Up to 1920 x 1440 in 32-bit color at 85Hz refresh rate Video memory sharing from main memory with Intel Dynamic Video Memory Technology (DVMT) Up to 64MB of dynamic video memory allocation |
| | LVDS (Optional) | NS DS90C387A |
| | TV-OUT (Optional) | Support NTSC and PAL formats VIA VT1622A |
| | USB | Two USB ports, USB 2.0 compliant |
| | Audio | Mic IN, Line IN, Speaker OUT |
| | Ethernet | Intel® 82551ER 10BaseT/100BaseT x 1, Intel® 82541PI Gigabit ethernet x 1 |
| | Super I/O Chipset | Winbond W83627HF |
| | Hardware Monitoring | Built-in Winbond W83627HF, monitors CPU temperature |
| | 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 for functional expansion |
| PC104 Interface | 16-bit, PC/104 interface for functional expansion | |
| Watchdog Timer | Time-out timing selectable 1-255 seconds | |
| System | Power Supply | AC input: 100V _{AC} to 220 V _{AC} External Power Adapter |
| | Operating Temp. | 0° to 60°C |
| | Humidity | 0 to 90% |
| | Dimensions | 183 x 140 x 73.86 mm (wall mount kit not included) [16.84 mm(H) for each extension kit] |
| | Power | With 256MB DDRAM |
| | Consumption | 1.5A @12V |
| | 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, 0.00142g ² /Hz; 100-500Hz, -6dB/Octave, 0.5Grms, 3axes, 30 minutes/axis |

1 Software

2 GEME Series

3 DPAC

4 Motion Control

5 Vision

6 HSL

7 Industrial Communication

8 CompactPCI system & Industrial Computers

9 NuDAM