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Data Sheet

August 15, 2026

EUROTECH / ARCOM

Eurotech / Arcom SBC-GXm-M32-F16 Fanless EBX Single Board Computer

The Eurotech/Arcom SBC-GXm-M32-F16 is a fanless EBX single board computer designed for embedded applications. It features a low-power GXm processor, up to 32MB of RAM, and 16MB of Flash memory. This SBC is ideal for harsh environments and space-constrained applications where reliability and low power consumption are critical.

**MODEL****Eurotech / Arcom
SBC-GXm-M32-
F16****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****SBC-GXm-M32-
F16****LISTING**<https://aumictechlabs.com/products/sbc-gxm-m32-f16-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Eurotech / Arcom SBC-GXm-M32-F16 is a fanless EBX single board computer engineered for embedded applications in harsh and space-constrained environments. Built around an AMD Geode GX1 300 MHz processor, this board delivers low-power operation without active cooling, making it ideal for deployments requiring extended reliability and minimal thermal management. Technical Specifications Processor: AMD Geode GX1 300 MHz CPU Memory: 32 MB DRAM, 16 MB Flash Memory BIOS: General Software Embedded BIOS 2000 Graphics: flat panel VGA controller Audio: 16-bit SoundBlaster-compatible audio engine Key Features The SBC-GXm-M32-F16 combines PC/AT compatibility with industrial-grade I/O density. Network connectivity is

provided via 10/100 Base-T Ethernet with RJ45 interface. Storage options include an integrated silicon disk drive and CompactFlash socket for field expansion. Serial and USB communication paths support legacy and modern device integration: four UARTs (COM1–COM4) and four USB 2.0 ports handle sensor networks, modems, and peripherals. PC/104 and PCI expansion buses enable custom I/O mezzanine cards. System management features encompass a real-time clock, external watchdog timer, GPIO, and a unique ID serial number device for asset tracking. SRAM buffers support transient data operations. Typical Applications Deployment scenarios include industrial automation, embedded data acquisition, in-vehicle infotainment, legacy DOS/Windows NT migration environments, and remote monitoring systems where fanless operation and low standby power are essential. Compatibility & Integration Operating system support spans MS-DOS, Windows NT, Windows CE, Windows 95, Windows 98, Windows 2000, and Linux distributions, enabling broad software reuse. PC/104 bus access and interrupt handling allow stackable subsystem integration without dedicated slot bandwidth constraints. The board architecture supports embedded and multimedia feature sets suitable for mixed-signal applications.

SBCGXMM32F16 Characteristics / Specifications

PARAMETER	VALUE
Model	SBC-GXm-M32-F16
Instrument Type	Fanless EBX single board computer
Family	Arcom / Eurotech SBC-GXm
Processor	National Semiconductor Geode GXm 233 MHz MMX-enhanced Pentium class
Chipset	Geode CS5530 I/O companion
Cache	16 kB L1 write-back
Installed Dram	32 MB (M32 token); DIMM socket to 128 MB max
Installed Flash	16 MB Intel StrataFlash (F16 token); 16 MB max
Video	Chips and Technologies 69000 HiQVideo, 2 MB SDRAM; CRT plus STN/TFT/EL
Ethernet	10/100BaseTx via RJ-45, PCI 2.1
Serial Ports	4× 16550; 3x RS-232 and 1x RS-232/422/485
Usb	2x USB
Touchscreen	4-wire analog resistive
Audio	16-bit SoundBlaster/Pro compatible
Drive Support	FDD, HDD, silicon disk in Flash with FFS
Bios	Award BIOS (Millennium compliant)
Expansion	PC/104-Plus (ISA/PCI)
Form Factor	EBX 5.75 × 8.00 in (146 × 203 mm)
Power	plus 5 V only
Operating Temperature	minus 20 C to 60 C
Cooling	fanless heatsink on CPU
Mtbf	88316 hours
Peripherals	keyboard, mouse, LPT, GPIO
Manufacturer	Arcom Control Systems / Eurotech

PARAMETER	VALUE
Literature	Arcom SBC-GXm datasheet (M32/F16 configuration)
System Role	fanless embedded EBX host
Cpu Range Family	GXm 200 to 300 MHz family; this SKU is 233 MHz

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 20 C to 60 C
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Literature	Arcom SBC-GXm datasheet (M32/F16 configuration)
System Role	fanless embedded EBX host
Cpu Range Family	GXm 200 to 300 MHz family; this SKU is 233 MHz Notes From Arcom SBC-GXm datasheet (233 MHz GXm, EBX 146×203 mm, plus 5 V, minus 20 to 60 C, MTBF 88316 h). M32/F16 are the 32 MB DRAM / 16 MB Flash factory load versus empty M0-F0.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Video	Chips and Technologies 69000 HiQVideo, 2 MB SDRAM; CRT plus STN/TFT/EL
Ethernet	10/100BaseTx via RJ-45, PCI 2.1
Serial Ports	4x 16550; 3x RS-232 and 1x RS-232/422/485
Usb	2x USB
Touchscreen	4-wire analog resistive
Audio	16-bit SoundBlaster/Pro compatible
Drive Support	FDD, HDD, silicon disk in Flash with FFS
Bios	Award BIOS (Millennium compliant)
Expansion	PC/104-Plus (ISA/PCI)
Form Factor	EBX 5.75 x 8.00 in (146 x 203 mm)
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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.