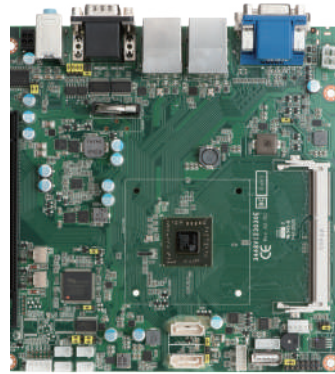
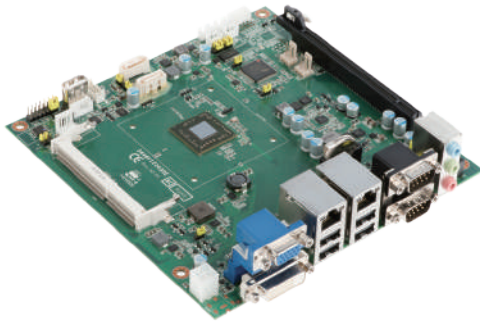


# GMB123

AMD Embedded G-Series SoC  
Mini-ITX Board

## Features

- Entry level AMD platform
- GLI verified TrustedBoot
- Advanced security
- Lifetime long-term supply



## System

CPU	AMD Embedded G-Series SoC
Memory	1 x DDR3/L SO-DIMM up to 1600 MHz, max. up to 8 GB
BIOS	AMI -uEFI TrustedBoot, secure hash and public key algorithm validation
Watchdog timer	1 sec to 255 min
Expansion	PCIe x16 slot (x4 Gen2 signal)
Power Input	DC +12V
Dimensions	170 mm x 170 mm
Operating Temperature	0 °C to 60 °C (32 °F to 140 °F)
Humidity	10 % to 90 %, non-condensing
Security	Anti-clone security (optional) - TPM engine - RSA2048 and AES256 hybrid encryption

## I/O

USB	8 x USB 2.0
Serial Interface	2 x RS-232 DB9 (1 x RS-422/485 configurable) 4 x RS-232 (1 x TTL, 1 x ccTalk configurable)
Audio	HD audio 5.1 channels Line-out or stereo 6 W + 6 W audio amplified output
Storage	2 x SATA III, SATADOM supported
Ethernet	2 x GbE LAN port



## Software

OS	Windows® 7 Linux kernel 3.0 and above version
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## Display

Graphic	AMD Radeon™ Series DirectX® 11.1, OpenGL® 4.2, and OpenCL™ 1.2
Interface	1 x VGA 1 x DVI-D

## Ordering Information

GMB123-217	AMD Embedded G-Series SoC Mini-ITX board with GX-217 dual-core APU, 2 x GbE Optional features: TPM
GMB123-420	AMD Embedded G-Series SoC Mini-ITX board with GX-420 quad-core APU, 2 x GbE Optional features: TPM



\* All specifications and photos are subject to change without notice.

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