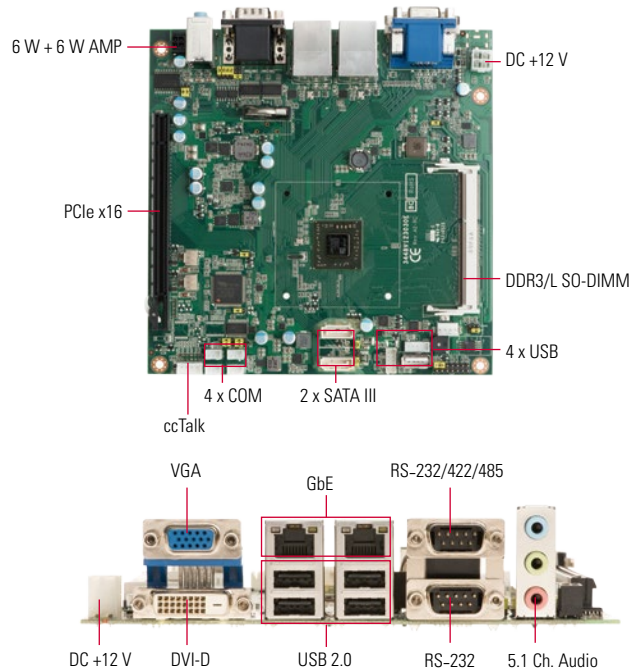


# GMB123

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<br>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 +12 V   |
| 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)<br>- TPM engine<br>- 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)<br>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 (1 x optional)   |

## Software

|    |  |
|----|--|
| OS | Windows® XP, 7<br>Linux kernel 3.0 and above version |
|----|--|

## Display

|           |  |
|-----------|--|
| Graphic   | AMD Radeon™ HD8000 Series<br>DirectX® 11.1, OpenGL® 4.2, and OpenCL™ 1.2 |
| Interface | 1 x VGA<br>1 x DVI-D   |

## Ordering Information

|             |  |
|-------------|--|
| GMB123-210J | AMD Embedded G-Series SoC Mini-ITX board with GX-210J dual-core APU, 1 x GbE, fanless<br>Optional features: TPM, 1 x GbE |
| GMB123-222  | AMD Embedded G-Series SoC Mini-ITX board with GX-222 dual-core APU, 2 x GbE<br>Optional features: TPM                    |
| GMB123-424  | AMD Embedded G-Series SoC Mini-ITX board with GX-424 quad-core APU, 2 x GbE<br>Optional features: TPM                    |



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

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