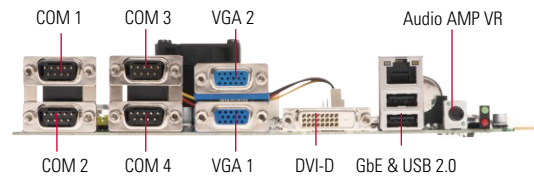
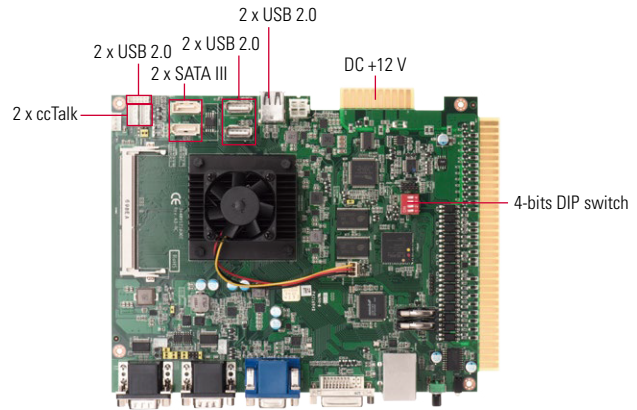
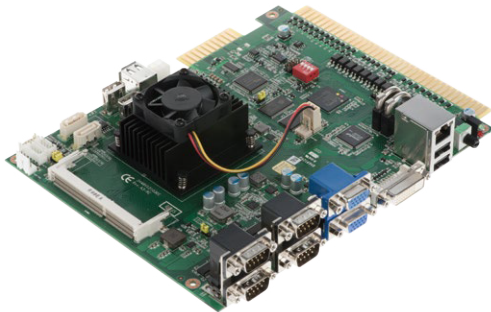


# GMB121

AMD Embedded G-Series SoC Gaming Board

## Features

- Entry level AMD platform
- GLI verified TrustedBoot and TrustedData
- 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
Power Input	DC +12 V
Dimensions	175 mm x 210 mm
Operating Temperature	0 °C to 60 °C (32 °F to 140 °F)
Humidity	10 % to 90 %, non-condensing
Security	Anti-clone security - TPM engine - RSA2048 and AES256 hybrid encryption

## I/O

USB	8 x USB 2.0
Serial Interface	1 x RS-232 DB9 (RS-422/485 configurable) 3 x RS-232 DB9 (1 x TTL configurable) 2 x ccTalk
Audio	Stereo 6 W + 6 W audio amplified output Audio volumn VR supported
Storage	2 x SATA III, SATADOM supported
Ethernet	1 x GbE

## Display

Graphic	AMD Radeon™ HD8000 DirectX® 11.1, OpenGL® 4.2, and OpenCL™ 1.2
Interface	2 x VGA 1 x DVI-D

## Gaming Function

Intrusion detection	8 x intrusion detection (2 x internal, 6 x golden finger) Operates with and without AC Power Logs date/time of last 50 events
Digital Input	24 x photo-coupler input 4 x DIP switch
Digital Output	27 x 500 mA/30 V OC output (8 x meter configurable) 3 x 3 A/30 V OC output
NVRAM	1 MB (512 KB or 2 MB optional) TrustedData, hardware bank mirroring and CRC
Software Support	Library, demo program, sample code provided

## Software

OS	Windows® XP, 7 Linux kernel 3.0 and above version
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## Ordering Information

GMB121-210J	AMD Embedded G-Series SoC gaming board with GX-210J dual-core APU, VGA, DVI, fanless
GMB121-222	AMD Embedded G-Series SoC gaming board with GX-222 dual-core APU, VGA, DVI
GMB121-424	AMD Embedded G-Series SoC gaming board with GX-424 quad-core APU, VGA, DVI

