

dBOX121

AMD Embedded G-Series SoC
Gaming Platform

Features

- Entry level AMD platform
- Lifetime long-term supply
- GLI verified TrustedBoot and TrustedData
- Easy gaming library integration
- Advanced security



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 +12V
Dimensions	225 mm (W) x 175 mm (D) x 70 mm (H)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Humidity	10 % to 90 %, non-condensing
Security	Anti-clone security - TPM engine - RSA2048 and AES256 hybrid encryption

I/O

USB	6 x USB 2.0
Serial Interface	1 x RS-232 DB9 (RS-422/485 configurable) 3 x RS-232 DB9 (1 x TTL configurable)
Audio	Stereo 6 W + 6 W audio amplified output Audio volumn VR supported
Storage	2 x SATA III, SATADOM/2.5" SSD/CFast supported
Ethernet	1 x GbE

Display

Graphic	AMD Radeon™ HD8000 Series 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 500mA/30V OC output (8 x meter configurable) 3 x 3A/30V 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.x and above version
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Ordering Information

dBOX121-210J	AMD Embedded G-Series SoC gaming platform with GX-210J dual-core APU, VGA,DVI, fanless
dBOX121-222	AMD Embedded G-Series SoC gaming platform with GX-222 dual-core APU, VGA,DVI
dBOX121-424	AMD Embedded G-Series SoC gaming platform with GX-424 quad-core APU, VGA,DVI



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

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