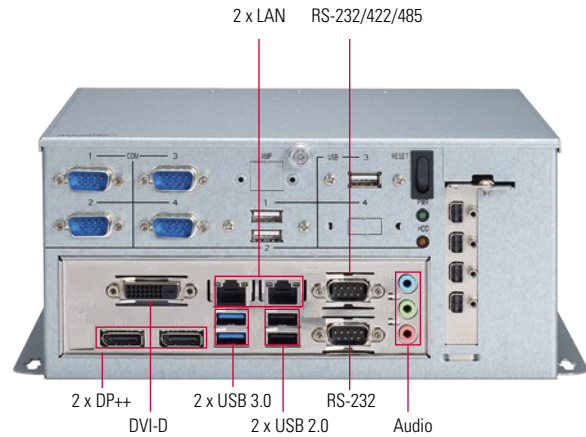


dBOX300-130

AMD Embedded R-Series SoC
Gaming Platform

Features

- High-end AMD gaming platform
- GLI verified TrustedBoot
- Supports PCIe graphic card
- Lifetime long-term supply



System

CPU	AMD Embedded R-Series SoC, formerly codenamed "Merlin Falcon"
Memory	2 x DDR4 SO-DIMM up to 2133 MHz, max. up to 32 GB
BIOS	AMI -uEFI TrustedBoot, secure hash and public key algorithm validation
Watchdog Timer	1 sec to 255 min
Expansion	1 x PCIe x16 slot (supports Low-Profile card / PCIe X8 signal only)
Power Input	DC +12 V
Dimensions	250 mm (W) x 211 mm (D) x 105 mm (H)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Humidity	10 % to 90 %, non-condensing
Security	- TPM engine - RSA2048 and AES256 hybrid encryption

I/O

USB	3 x USB 3.0 (1 x internal) 5 x USB 2.0
Serial Interface	2 x RS-232 DB9 (1 x RS-422/485 configurable) 4 x RS-232 (1 x ID003, 2 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, support 1 x 2.5" HDD driver bay 1 x CFast socket via SATA to CFast adapter (optional)
Ethernet	2 x GbE LAN port



Display

Graphic	AMD Radeon™ HD10000 Series DirectX® 12, OpenGL® 4.2, and OpenCL™ 1.2
Interface	2 x DP++ 1 x DVI-D

Software

OS	Windows® 7, 10 Linux kernel 3.X and above version
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Ordering Information

dBOX300-130-421	AMD Embedded R-Series SoC gaming platform with RX-421 quad-core APU, 2 x DP++, DVI-D, 7 x USB 7 x COM
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