

dBOX310-830

8/9th Generation Intel® Core™
Gaming Platform

Features

- High-end All-In-One Intel® gaming platform
- GLI verified Trustedboot and TrustedData
- Supports PCIe graphic card
- Lifetime long-term supply



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System

CPU	8/9th Generation Intel® Core™ i7/i5/i3 Intel® Pentium® processors Gold/ Celeron, LGA1151
Memory	2 x DDR4 SO-DIMM up to 2400/2666 MHz, Max up to 64 GB
Chipset	Intel® H310 Chipset
BIOS	AMI -uEFI BIOS Optional security boot function
Watchdog Timer	1 sec to 255 min
Expansion	1 x PCIe X16 slot 1 x Full-size Mini-PCIe socket (PCIe X1 & USB signal)
Power Input	DC +12V Input, ± 5%
Dimensions	240 mm (W) x 210 mm (D) x 105 mm (H)
Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature	-20 °C to 85 °C
Humidity	10 % to 90 %, non-condensing
Security	Onboard TPM 2.0 Axiomtek TrustedBoot for BIOS security boot

I/O

USB	4 x USB 3.0 2 x USB 2.0
Serial Interface	2 x RS-232 DB9 (1 x RS-422/485 configurable) 3 x RS-232 (1 x ID003, 2 x ccTalk configurable) 1 x SAS (hardware 9-bit supported)
Audio	HD audio 5.1 channels Line-out or stereo 6 W + 6 W audio amplified output
Storage	3 x SATAIII port support SATADOM with 7-pin power 2 x CFAST card (Via SATA to CFAST adapter)
Ethernet	2 x GbE LAN port

Display

Graphic	Intel® UHD Graphics 610/630
Interface	H310 supports 2 x DP++ port With 4096 x 2160 resolution per display output

Gaming Function

Intrusion Detection	8 x intrusion detection (2 x internal, 6 x external) Operates with and without AC Power Logs date/time of last 200 events
Digital Input	32 x protected input 4 x DIP switch
Digital Output	29 x 500 mA/30V OC output (8 x meter configurable) 3 x 3A/30V OC output
NVRAM	4 MB (2 or 8 MB optional) TrustedData, hardware bank mirroring and CRC
Software Support	Windows/Linux sample code and demo program provided SAS 6.02 COM port driver provided

Software

OS	Windows® 10 Enterprise & IoT Enterprise, 64-bit
Others	SAS 6.02 COM port driver provided (via Gaming I/O module)

Ordering Information

dBOX310-830	8th/9th Generation Intel® Core™ gaming system with H310 PCH, 2 x DP++, 2 x GLAN, 5 x COM, 6 x USB, 12V DC-in
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* All specifications and photos are subject to change without notice.

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