

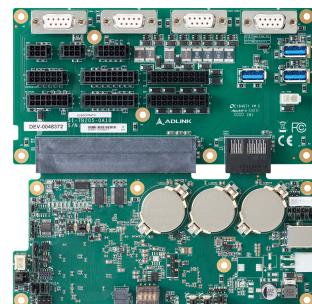
ADI-SIOG-FPGA

Modular Gaming & Retail I/O controller with battery backed NVRAM and intrusion detection



Features

- Unique modular architecture
- Provides unmatched flexibility and performance to adapt to any given existing gaming or retail I/O requirement



Specifications

| Model Name | ADI-SIOG-FPGA | |
|-------------------------------------|---|---|
| Hardware | ADI-SIOG-FPGA/12V-4MB | ADI-SIOG-FPGA/12V-2MB |
| System architecture | FPGA gaming control board and I/O boards for flexible coverage of any I/O requirements | |
| Host interfaces | USB 3.2 Gen 1 | |
| Battery-Backed NVRAM (SRAM) | 4 MB (Up to 32 MB; two independent banks with high read and write speeds) | 2 MB (Up to 32 MB; two independent banks with high read and write speeds) |
| Independent Event Logging Processor | Event logging with date/time stamping Intrusion detection (11 external inputs) Battery monitoring | |
| COM Ports | COM1: RS-232/422/485 COM2: RS-232/CCTalk COM3: RS-232/CCTalk COM4: RS-232/TTL | N/A |
| USB Ports | 3x USB 3.2 Gen 1 Type-A CONN 1x USB 2.0 4-pin header for USBDOM | N/A |
| Digital GP Inputs | 32 GPIs 5 V TTL with ESD protection Default pull-up to 5 V; internal pull-up can be disabled by software | |
| Digital GP Outputs | 16 GPOs, 600 mA open-drain/up to 36 V 8 GPOs, 250 mA open-drain/up to 45 V 8 high-current GPOs, 3 A open-drain/up to 45 V | |
| Meter support | 8x hard meter current-sensed hard meter support (ESD protected) Sec meter support | |
| User Switches and LED's | 4x user DIP switches 4x user LEDs | |
| Dedicated Security Chip | SHA-256 (optional AES128 version) 32 bytes RNG Unique ID | |

| | | |
|-----------------|---|--|
| Other | 1x EEPROM (32KB) 1-Wire Chip (DS2431) @ BIOG board I ² C interface | 1x EEPROM (32KB) I ² C interface |
| Power Supply | 12 V DC in @ 5.8 A 24 V DC in @ 3.2 A (by request) | |
| PCBA Dimensions | 170 mm x 190 mm (2 boards assembled) | |

Advanced Gaming Architecture

- **ADLINK Gaming Layer**
Hardware abstraction layer
- **Device Abstraction Service (DAS)**
API for peripherals
- **Hardware Abstraction Service (HWS)**
API for low-level components, NVRAM
- **Slot Accounting System (SAS) Engine**
Software stack
- **Operating System Support**
Windows 10, Linux, Debian

Ordering Information

- ADi-SIOG-FPGA/12V-4MB
12V PWR_IN, SA metal cover, FPGA controller, PIC Logging Processor, 4MB SRAM, 32x DIO, 8x HW Meter, 4x COM Port
- ADi-SIOG-FPGA/12V-2MB
12V PWR_IN, SA metal cover, FPGA controller, PIC Logging Processor, 2MB SRAM, 32x DIO

Optional Accessories

- 91-95366-000E
ADi-SIOG-FPGA cable kit

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