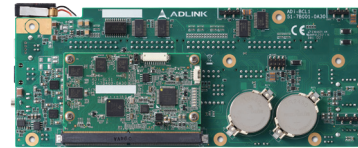


ADi-SIOG-LEC1

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



Hardware Specifications

- **System architecture**
Module with 120MHz Cortex M4 ARM MCU (SMARC form factor) and carrier boards for flexible coverage of any I/O requirements
- **Host interfaces**
USB (MDB Host interfaces on request)
- **Battery-Backed NVRAM (SRAM)**
Up to 4MB (two independent banks with high read and write speeds)
- **Independent Event Logging Processor**
Event logging with date/time stamping
Intrusion detection (Six external inputs)
Battery monitoring
- **COM Ports**
COM1: RS-232/422/485
COM2: RS-232/ CCTalk
COM3: RS-232/CCTalk
COM4: RS-232/ TTL
COM5: RS-232/MDB (By MAX 3232)
- **Digital GP Inputs**
32 GPIs 5 V TTL with ESD protection
Weak pull-up to 5 V; can be activated by software
- **Digital GP Outputs**
32 GPOs, 250 mA open drain / up to 45 V
3 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**
8x user DIP switches
4x user LEDs
2x user function switches
- **Dedicated Security Chip**
SHA-256 (optional AES128 version)
32 byte RNG
Unique ID
- **Other**
2x EEPROM
1-Wire
I²C interfaces
2.1 CH audio AMP
- **Power Supply**
12V DC in @ 4A
24V DC in @ 2A
- **PCBA Dimensions**
210mm x 84mm x 25.35mm (Max height)

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