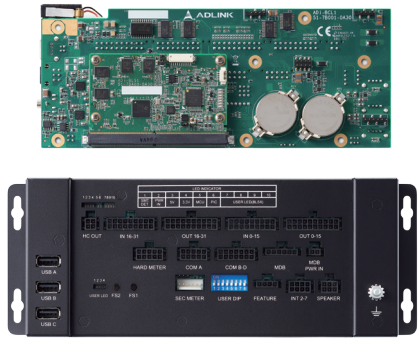
ADi-SIOG-LEC1

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
  I^2C 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

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

All products and company name listed are trademarks or trade names of their respective companies.
Updated Jan. 28, 2022. ©2022 ADLINK Technology, Inc. All Rights Reserved.
All specifications are subject to change without further notice.