EOS-1300

4CH Compact Gige Vision System with 6th Generation Intel® Core™ i7 Processors



Introduction

ADLINK's EOS-1300 is a high performance compact vision system equipped with 6th Generation Intel® Core™ i7 processors and four independent PoE (power over Ethernet) ports, delivering data transfer rates up to 4.0 Gb/s. EOS-1300's FPGA based DI/O provides programmable de-bounce filter, on the fly trigger, and user wiring Sink/Source DO and Encoder functions, making it the ideal solution for machine vision applications requiring high computing power and time deterministic solutions with minimal footprint.

The EOS-1300 DI/O provides minimal and fixed latency without occupying CPU resources. The DI/O function provides APIs allowing programming for de-bounce filter of DI, delay time, and pulse width of DO and also advanced Encoder functions suitable for conveyor applications. The highly flexible design supports either Sink or Source DO via external wiring.

With all I/O connectors on one side for easy installation, and the latest 6th Generation Intel® Core™ i7 processor, powerful and flexible DI/O, and compact size, the EOS-1300 is the perfect vision system for automation and machine vision.

Features

- 6th Generation Intel® Core™ i7 Processors
- Up to 4CH Gigabit PoE (Power over Ethernet),
- FPGA-implemented DI/O functions provide programmable de-bounce filter, on the fly trigger out and Encoder functions
- Configurable Sink or Source DO via external wiring
- Supports 12x isolated DI, 16x isolated DO, 2x encoder input, and 4x USB 3.0
- One-side I/O for easy maintenance
- On-board SHA-256 security EEPROM for license protection

Software Support

- **OS Information**
  Windows 7/10 64 bit

Ordering information

- **EOS-1300/M4G/500G HDD**
  4-CH GigE Vision System with 6th Intel® Core™ i7-6700 4.0GHz processor, 4GB RAM and 500G HDD

Optional Accessories

- **DB37M-HDB26M**
  Cable for I/O1, 26 pin to 37 pin, L=1.5M
- **ACL-10137-1MM**
  Cable for I/O2, L=1.0M
- **DIN-37D-01**
  37-pin D-sub Termination board with DIN rail
- **220W industrial-grade AC adaptor**
- **EOS-1300 Din Rail mount kit**
- **EOS-1300 Wall mount kit**

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Specifications

CPU	Intel® Core™i7-6700
System Memory	Up to 32 GB DDR4 at 2133MHz
Camera Interface	4CH Gigabit PoE IEEE 802.3af compliant, total max. power output 32W
Chipset	Intel® H110
Display	2 display ports with resolution up to 4096 x 2160
USB	4x USB 2.0 and 4x USB 3.0 ports (internal 1x USB 2.0)
Audio	7.1 channel audio via 5 jacks and S/PDIF output
COM Ports	1x RS-232/422/485 and 1x RS-232
Digital I/O	12x isolated DI (4x DI can be configured to Trigger in); 2x Encoder input; 16x isolated DO (4x DO can be configured to Trigger Out) user wiring Sink/Source DO
Keyboard/Mouse	USB type
Power Supply	DC 24V, ATX mode
Operating Temp	0˚C to +55˚C (32˚F to 131˚F)
Humidity	0% to 90%
Dimensions	232W x 180.8D x 82.8H mm (9.1 x 7.1 x 3.2 in)
Power Consumption	Up to 165W
Storage	1x 2.5" SATA interface
Random Vibration	Operating 0.5 Grms, 5-500 Hz, 3 axes w/ HDD
Safety compliance	CE/FCC, UL, RoHS

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