EOS-1200

Powerful 4-CH Gigabit PoE Embedded Vision System with 2nd Generation Intel® Core™ i5/i7 Processor

Introduction

ADLINK's EOS-1200 is a rugged and compact embedded vision system equipped with the 2nd Generation Intel® Core™ i5/i7 processor. Four independent PoE (power over Ethernet) ports with data transfer rates up to 4.0 Gb/s offer greatly enhanced computing power and connectivity with minimal footprint.

The EOS-1200 supports not only PoE (power over Ethernet), combining power and signal supply into a single cable, but also IEEE 1588 (precise time protocol), enabling synchronization with multicamera acquisition. With the EOS-1200's significant cable reduction system installation is simplified, and maintenance burdens and total cost of ownership are notably lowered.

The EOS-1200 supports a rich I/O capability, including four serial ports, two USB 3.0 ports, 32 PNP/NPN isolated digital I/Os, dual storage, an internal USB port, and 1 Kbit programmable EEPROM, which make EOS-1200 ideal to integrate, deploy, and manage copy protection or authentication of software licenses for system development, and further accelerate time to market.

Combining more powerful computing with multi-channel connectivity and a ready-to-deploy application platform, the EOS-1200 delivers embedded vision ideally suited to machine vision applications.

Features

- Compact and rugged system design
- Embedded Intel® Core i5/i7 Quad Core CPU
- Up to 4-CH Gigabit PoE (power over Ethernet), 4.0 Gb/s
- Supprt for IEEE 1588, PTP technology
- Support for two USB 3.0 ports
- Support for wall and DIN rail mounting (optional)
- One internal USB port and 1Kbit EEPROM
- RAID system (Dual SATA interface)
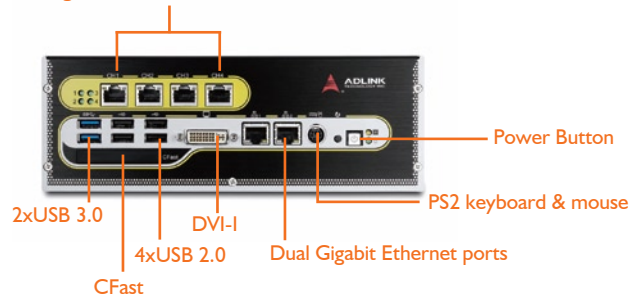- 32 PNP/NPN isolated digital I/O

Applications

- Industrial automation
- Robot guidance
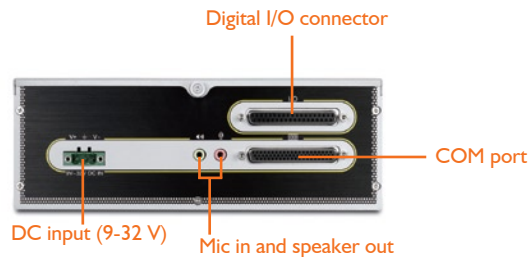- 3D vision
- Medical imaging

Software Support

- Windows® XP, 7, XP Embedded, Embedded Standard 7

EOS-1200 Front View

EOS-1200 Back View

Specifications

CPU	Intel® Core i5 2.5 GHz / Intel® Core i7 2.1 GHz
System Memory	Up to 8 GB DDR3
Camera Interface	4-CH Gigabit power over Ethernet
	IEEE 802.3af compliant, total max. power output 32 W
Chipset	Intel® QM67 Express chipsets
VGA	VGA+DVI-D output by DVI-I connector, up to QXGA (2048 x 1536) resolution
USB	Four USB 2.0 port, two USB 3.0 ports
Audio	AC97, mic in/speaker out
COM Ports	Two software-programmable RS-232/422/485 (COM1 & COM2),
	two RS-232 (COM3 & COM4)
Digital I/O (Option)	16-CH isolated digital input and output, PNP/NPN type
Keyboard/Mouse	PS/2 type mini-DIN connectors
Power Supply	DC: 10 to 30 V_{DC}, ATX mode
Operating Temp.	0˚C to 55˚C
Humidity	0% to 90%
Dimensions	230 (W) x 206 (D) x 82 (H) mm (9 x 8.3 x 3.2 in.)
Power Consumption	110 W (with 4 GB DDRAM and 4 GB CFAST)
Storage	One CFAST slot, two 2.5" SATA interfaces
Random Vibration	Operating, 5 Grms, 5-500 Hz, 3 axes (w/CFAST)
Safety compliance	CE/FCC, RoHS

Ordering Information

■ EOS-1200/M4G
4-CH Gigabit PoE embedded vision system equipped with 2nd generation Intel Core i7, 2.1 GHz quad core processor and 4 GB RAM

■ EOS-1200/M4G/HDD320G
4-CH Gigabit PoE embedded vision system equipped with 2nd generation Intel Core i7, 2.1 GHz quad core processor, 4 GB RAM, and 320 G HDD

■ EOS-1210/M2G
4-CH Gigabit PoE embedded vision system equipped with 2nd generation Intel Core i5, 2.5 GHz dual core processor and 2 GB RAM

■ EOS-1210/M2G/HDD320G
4-CH Gigabit PoE embedded vision system equipped with 2nd generation Intel Core i5, 2.5 GHz dual core processor, 2 GB RAM, and 320 G HDD

Optional Accessories

■ 32 GB SSD option
Factory-installation of 32 GB SATA solid state drive

■ 4 GB CFAST option
Factory-installed 4 GB CFAST card

■ 150 W AC adapter
150 W industrial-grade AC adapter

■ DIN rail kit
DIN rail mount kit

Cabling

■ COM port cable

DSUB 62-pin male to 4 DSUB 9-pin male cable