# EOS-1200

## 4-CH GigE Vision Embedded Vision System with 2nd/3rd Generation Intel® Core™ i5/i7 Processor



## Introduction

ADLINK's EOS-1200 is a rugged and compact embedded vision system equipped with the 2nd/3rd 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**
- **Support 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**

## Software Support

- OS Information
  - Windows® 8/7/XP/XP Embedded/Embedded Standard 7

## Specifications

| | |
|---|---|
| CPU | Intel® Core™ i5-2510 3.1 GHz / Intel® Core™ i7-2710 3.0 GHz / Intel® Core™ i7-3610 3.3 GHz |
| System Memory | Up to 8 GB DDR3 |
| Camera Interface | 4-CH Gigabit power over Ethernet<br>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 ports, 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 (32°F to 131°F) |
| Humidity | 0% to 90% |
| Dimensions | 230 (W) x 206 (D) x 82 (H) mm (9" x 8.3" x 3.2") |
| 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-1220/M4G**
  4-CH GigE Vision embedded vision system equipped with 3rd generation Intel® Core™ i7-3610 3.3 GHz quad core processor and 4 GB RAM
- **EOS-1200/M4G**
  4-CH GigE Vision embedded vision system equipped with 2nd generation Intel® Core™ i7-2710 3.0 GHz quad core processor and 4 GB RAM
- **EOS-1210/M2G**
  4-CH GigE Vision embedded vision system equipped with 2nd generation Intel® Core™ i5-2510 3.1 GHz dual core processor and 2 GB RAM
- **EOS-1210/M2G/HDD320G**
  4-CH GigE Vision embedded vision system equipped with 2nd generation Intel® Core™ i5-2510 3.1 GHz dual core processor, 2 GB RAM, and 320 G HDD

## Optional Accessories

- **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