

EOS-1000

4-CH PoE Embedded Vision System with Intel® Core™ 2 Duo P8400 Processor



Introduction

ADLINK's EOS-1000 is a rugged and embedded vision system that features an Intel® Core™ 2 Duo P8400 and four independent PoE (Power over Ethernet) ports. This system is ideal for high computing power and multi-camera imaging applications such as 3D vision robotic guidance.

By selecting long-life embedded components and incorporating system monitoring components to watch CPU temperature, fan speed, and system responsiveness, the EOS-1000 provides a very robust and reliable platform for mission critical applications.

Features

- Compact and rugged system design
- Embedded Intel® Core™ 2 Duo P8400 CPU
- Multi-camera solution: up to four Gigabit Ethernet cameras
- PoE, IEEE 802.3af Compliant, Powered Device (PD) auto detection
- Rich I/O support: RS-232/485, USB, and isolated digital I/Os
- Dual storage support: HDD and CompactFlash cards
- Hardware monitoring: temperature, voltage, and watchdog timer

Software Support

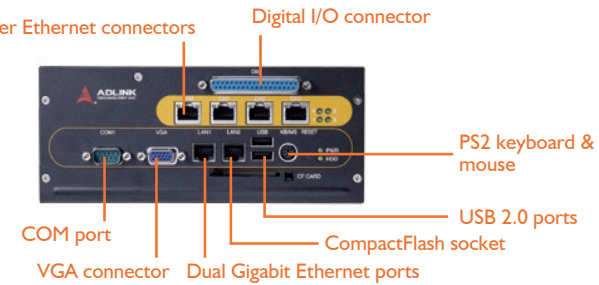
- Windows® 7/XP/XP Embedded

Specifications

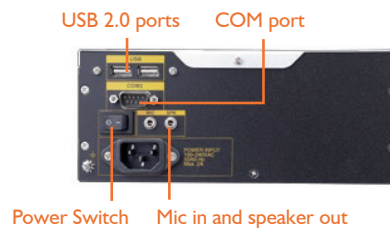
■ CPU	Intel® Core™ 2 Duo P8400, 2.26 GHz
■ System Memory	Up to 4 GB DDR3
■ Camera Interface	4-CH Power Over Ethernet
	IEEE 802.3af Compliant, Max. power output 7 W per channel
■ Chipset	Intel® GM45 / ICH9 chipset
■ VGA	Analog CRT support up to 1600 x 1200
■ USB	Four USB ports, USB 2.0 compliant
■ Audio	AC97, Mic In/Speaker Out
■ COM Ports	COM1/COM2: RS-232/RS-422/RS-485 (set via the BIOS)
■ Digital I/O	16-CH isolated digital input and output, 5.0 KV isolation protection
■ Keyboard/ Mouse	Combed PS/2 type mini-DIN connectors
■ Power Supply	DC: 10 to 30 Vdc, AT mode AC: 90 to 240 VAc, AT mode
■ Operating Temp.	0 °C to 55 °C
■ Humidity	0% to 90%
■ Dimensions	200 (W) x 165 (D) x 85 (H) mm (7.9" x 6.5" x 3.3")
■ Power Consumption	50 W (with 2 GB DDRAM and 2 GB CompactFlash)
■ Storage	On-board SATA port for 2.5" HDD/SSD installation 1 type I CF socket, supporting PIO and DMA modes
■ Random Vibration	Operating: 5 to 100 Hz, 0.00142 g ² /Hz; 100 to 500 Hz, -6 dB/Octave, 0.5 Grms, 3 axes, 30 minutes/axis
■ Safety Compliance	CE/FCC, RoHS

Ordering Information

- **EOS-1000**
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EOS-1000 Front View



EOS-1000 Back View

Optional Accessories

- **4 GB DDR3 upgrade**
Upgrade to 4 GB DDR3 memory
- **160 GB HDD option**
Factory-installation of 160 GB SATA hard disk drive (0 to 60°C)
- **8 GB / 40 GB SSD option**
Factory-installation of 8 GB / 40 GB SATA solid state disk (0 to 70°C)