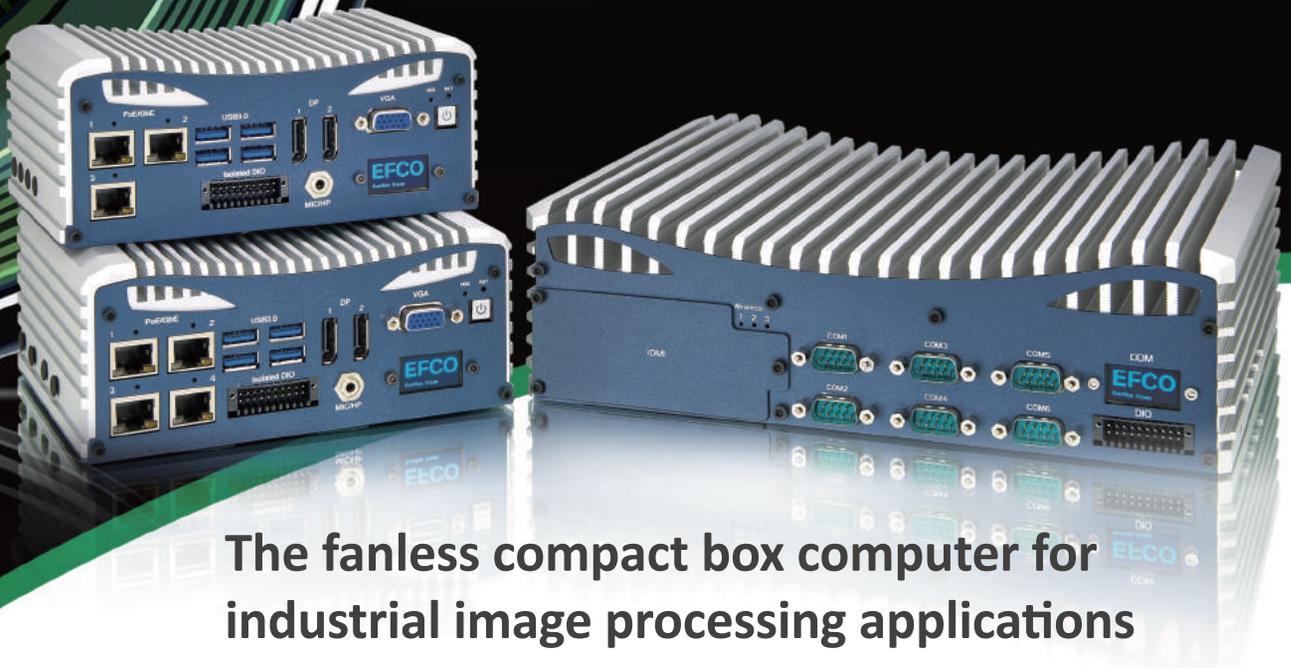


Eagle Eyes Embedded Vision System



The fanless compact box computer for industrial image processing applications

Features

- Supports up to 12 independent Gigabit PoE+ (Power over Ethernet) Eagle Eyes is the most compact system on the market to support such a large number of cameras. Compatible with most popular camera interfaces (IP cameras and USB cameras) and software, offering the best value and rich features
- A variety of I/O modules (IOM) up to 6 options are available to meet customer needs and applications
- Special power design for safe operation:
 - Wide voltage 9~36V DC input
 - OCP/OVP support
 - Surge protection: 200V/1ms
 - Power ignition control
 - Option for isolated or non-isolate design
 - Remote on/off power switch with LED

Applications

Industrial image processing is used for the visual monitoring of production processes and object detection in various industries, including:

- Quality control of production in manufacturing
- Visual inspection for factory automation
- Video surveillance
- In-vehicle/Transportation
- Automatic number plate recognition
- Robotics/Logistic

EFCO Eagle Eyes Embedded Vision System

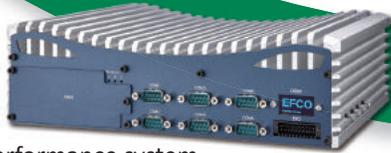
Fanless compact box computer for industrial image processing applications

EFCO Eagle Eyes is a dedicated fanless system for embedded vision applications. Equipped with state-of-the-art 6th/7th Generation Intel® Core™ i3/i5/i7 processor, Eagle Eyes supports up to twelve PoE+ IEEE802.3at to power IP cameras.

EFCO Eagle Eyes is equipped with a proprietary artificial intelligence algorithm called EKit. The special software along with an ARM chip integrated in the device monitors the system parameters and evaluates its measured values. The Dynamic Display Module (DDM), a small OLED display on the front of the system, informs users about the device status and displays the measured values and/or error messages. With an API, user software can then be used to access the ARM controller or the display.

For integration into the machine environment, eight optically isolated inputs and eight optically isolated outputs are available. The six classic serial interfaces, which include two RS-485 interfaces, can be used to establish connections to legacy system components that are still in use.

Industrial image processing is widely accepted as an inspection method and will become indispensable for Industry 4.0 and the Industrial Internet of Things (IIoT) as both a data and an information source. The EFCO Eagle Eyes fanless box computers lead the way into the future with Power over Ethernet, preventative system monitoring and artificial intelligence. And with the development of IIoT, it opens up even more diverse possibilities for applications.



AIH High performance system

- Intel® 6th/7th Gen Core™ S Series processor
- Intelligent Ekit with AI function to monitor system health via DDM
- 2x GbE + 4x PoE+ IEEE 802.3at ports
- 6x USB 3.0, 16x GPIO, Isolated 8x DI & 8x DO (optional)
- 5 pin terminal block to support remote power switch and ignition control
- Wide range DC input 9~36V



AIM Main stream system

- Intel® 6th/7th Gen Core™ U series processor
- Intelligent Ekit with AI function to monitor system health via DDM
- 4x PoE+ IEEE 802.3at ports for (optional)
- 4x USB 3.0/2.0, 16x GPIO, Isolated 8x DI & 8x DO (optional)
- 5 pin terminal block to support remote power switch and ignition control
- Wide range DC input 9~36V



AIE Entry level system

- Intel® Atom®, Celeron®, Pentium® processor (formerly Braswell)
- Intelligent Ekit with AI function to monitor system health via DDM
- 3x PoE+ IEEE 802.3at ports
- 4x USB 3.0, 16x GPIO, Isolated 8x DI & 8x DO (optional)
- 5 pin terminal block to support remote power switch and ignition control
- Wide range DC input 9~36V



AIHD DIN-rail high performance system

- Intel® 6th/7th Gen Core™ S Series processor
- Intelligent Ekit with AI function to monitor system health via DDM
- 2x GbE + 4x PoE+ IEEE 802.3at ports (optional), 6x USB 3.0
- 32x GPIO, Isolated 16x DI & 16x DO (optional)
- 5 pin terminal block to support remote power switch and ignition control
- Wide range DC input 9~36V