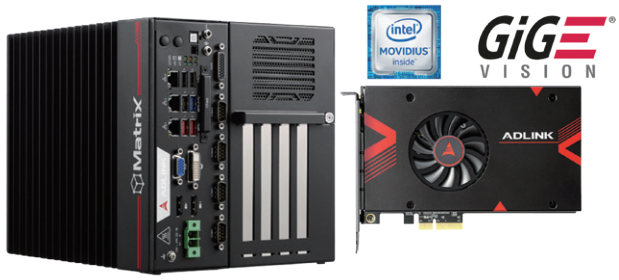
EOS-i6000-M Series

Compact AI GigE Vision Systems for the Edge with Intel® Movidius™ Myriad™ X

Features

- Pre-installed AI development component reduces testing and integration efforts thus accelerating time-to-market
- High product reliability guaranteed by well-validated power consumption, thermal design, and compatibility
- Optimized hardware design and performance tuning for AI vision applications
- Leverages up to 4x Intel® Movidius™ Myriad™ X VPUs to empower a wide variety of deep-learning applications



Introduction

The ADLINK AI Plug-and-Play (PnP) Solution is a set of ADLINK AI edge hardware and data connectivity platforms that help our partners build and deploy AI solutions faster and simpler. With ADLINK Data River™ enabled by AI edge platforms, devices, inference algorithms, and data integrations, the AI PnP Solution offers a cross-platform, flexible, scalable solution that delivers business value.

ADLINK's AI Plug-and-Play (PnP) EOS-i6000-M Series is designed for deep-learning inference AI GigE vision systems. The pre-installed AI development component reduces testing and integration time, saves personnel costs, and speeds up your time to market.

Each member of the EOS-i6000-M Series has passed an extreme validation process to provide high reliability in power consumption, thermal control, and compatibility; therefore, there is no need to worry about the integration of hardware and software. The compact EOS-i6000-M Series supports up to 4x Intel® Movidius™ Myriad™ X VPUs, thus making it ideal for object classification and detection applications that can benefit from deep learning.

ADLINK provides optimized performance tuning of imaging hardware, firmware, and software based on 20 years of expert experience in machine vision to find the best configuration for each situation and provide the best service.

Software Support

- Windows® 10 / Linux Ubuntu 18.04
- Intel® OpenVINO™ Toolkit

Ordering Information

- **EOS-i614A-MYDX**
  4-ch GigE Vision System with 9th Gen Intel® Core™ i7-9700E processor, 4x Intel® Movidius™ Myriad™ X VPUs, 16GB DDR4, and 512GB SSD
- **AC/DC Adapter**
  280W (P/N: 91-95263-0010)

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Specifications

Model Name	EOS-i614A-MYDX
System Core	
Camera Interface	4-ch Gigabit PoE IEEE 802.3at compliant, total max. POE output 30W
Processor	9th Gen Intel® Core™ i7-9700E, 65W, 8 cores, base freq. 2.6G/ max. freq. 4.2G Hz
Chipset	C246
Memory	16GB DDR4 2400MHz, dual SODIMMs
Storage	512GB SSD
VPU	4x Intel® Movidius™ Myriad™ X
I/O Interface	
Display	2x DP++, DVI-D, VGA
Expansion Slots	PCIe x16 + 2 PCIe x4 + PCI
Ethernet	3x Intel GbE: 2x i211AT + i219 iAMT support
Serial Ports	COM1/2: RS-232/422/485, COM3/4: RS-232 Optional: COM5/6 RS-232 (shared w/ DI/O)
USB	3x USB3.1 Gen2 + 3x USB2.0, 1x internal USB2.0 dongle
Audio	Line-out, Mic-in (Optional: speaker-out)
Mini PCIe	1x Full size (USB 2.0 + PCIe)
M.2	1x 2280/3042: USB3.1, SATA III and PCIe x2
USIM	2
DI/O	8-ch DI and 8-ch DO
I^2C	2 (3.3V/5V)
TPM2.0	Yes
Storage Device	
2.5" SATA	4x internal
CFast	1 Type II
Mechanical	
Dimensions	206 (W) x 240 (D) x 210 (H) mm (8.11" x 9.45" x 8.27")
Power Supply	
DC Input	12-24V (± 10% tolerance)
AC Input	280W AC/DC adapter
Environmental	
Operating Temperature	Standard: 0°C to 50°C, w/ air flow
	Extended Temperature (w/ Ind. storage), w/ air flow
	-10°C to 50°C
Storage Temperature	-40°C to 85°C (-40°F to 185°F) (excl. storage)
Humidity	~95% @ 40°C (non-condensing)
Vibration	Operating: 5 Grms, 5-500 Hz, 3 axes (w/2.5" SSD/CFast) Operating: 0.5 Grms, 5-500 Hz, 3 axes (w/ HDD)
Shock	Operating: 50 Grms, half sine 11ms duration (w/ 2.5" SSD/CFast)
ESD	Contact +/-4KV, Air +/-8KV
EMC	EN61000-6-4/-2, CE & FCC Class A
Safety	UL/cUL, CB, CCC
OS Support	Windows® 10 / Linux Ubuntu 18.04
Embedded OS	Windows® 10
Software	Pre-installed AI Software Suite

Note: Specific supported Linux version information available upon request

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