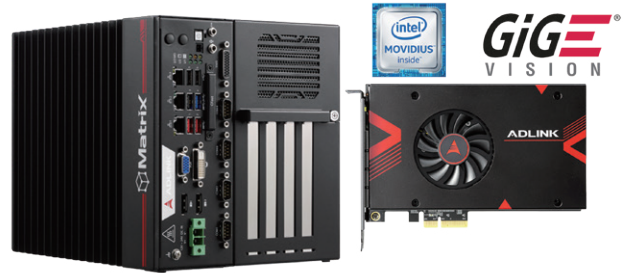


EOS-i6000-M Series

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)

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 24000MHz, 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 ² C | 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