

EOS-i6000-P Series

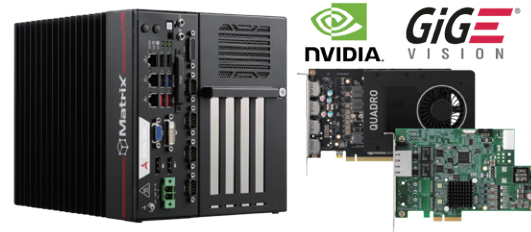
Compact AI GigE Vision Systems for the Edge with NVIDIA® Quadro® GPU

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
- Widely supports the NVIDIA GPU portfolio to satisfy various deep-learning applications



EOS-i614A-P1000



EOS-i614A-P2200

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 at AI edge platforms, devices, AI inferences, and data integrations, the AI PnP Solution offers a cross-platform, flexible, scalable solution that delivers business value.

ADLINK AI Plug-and-Play (PnP) EOS-i6000-P 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.

EOS-i6000-P Series 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-P Series supports up to 1280 CUDA cores and provides 5GB GPU memory, thus being ideal for object classification and detection application with deep learning.

ADLINK provides optimized imaging hardware/firmware/software performance tuning based on 20-years' expert experience in machine vision, including image data transfer performance tuning between CPU to GPU collaboration, to find the best configuration and provide best service.

Software Support

- Windows® 10 / Linux Ubuntu 18.04
- CUDA
- TensorRT
- TensorFlow
- Python
- cuDNN
- euresys
- EdgeSDK

Ordering Information

- **EOS-i614A-P1000**
4-ch GigE Vision System with 9th Gen Intel® Core™ i7-9700E processor, NVIDIA® Quadro™ P1000, 16GB DDR4, and 512GB SSD
- **EOS-i614A-P2200**
4-ch GigE Vision System with 9th Gen Intel® Core™ i7-9700E processor, NVIDIA® Quadro™ P2200, 16GB DDR4, and 512GB SSD
- **AC/DC Adapter**
280W (P/N: 91-95263-0010)

Specifications

Model Name	EOS-i614A-P1000		EOS-i614A-P2200	
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			
GPU	NVIDIA® Quadro® P1000		NVIDIA® Quadro® P2200	
GPU Memory	4GB		5GB	
CUDA Cores	640		1280	
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			
I²C	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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