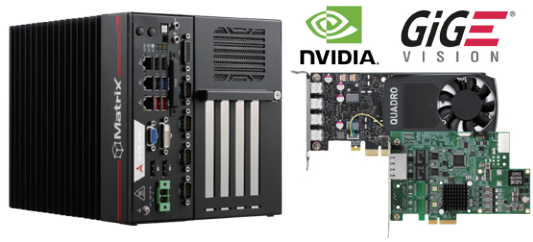
EOS-i6000-P Series

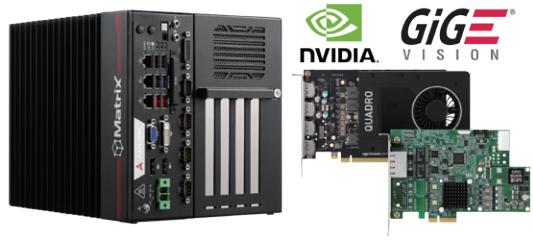
Compact AI GigE Vision Systems for the Edge with NVIDIA® Quadro® GPU

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)

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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	
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

ADLINK
LEADING EDGE COMPUTING

www.adlinktech.com

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