ADLINK
LEADING EDGE COMPUTING

DLAP Series Edge AI Platforms

Deep Learning Acceleration Systems for High-Performance Edge Inference













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Solution Features

Hi-Performance

- NVIDIA® Jetson® and Intel® Core™ i/ Xeon® platforms
- Support NVIDIA® MXM modules/ PCIe graphic cards for the GPU computing

Durability

- Compact, no moving part, and fanless design for 24/7 operation
- Wide temperature operation support

Expansion

- Support ADLINK MXM graphic modules and FHFL NVIDIA® graphic cards
- AFM capability offers fast application-specific access

Ecosystem

- Support Intel® OpenVINO™, Amazon Lookout for Vision, and AWS IoT Greengrass
- Built-in Allxon remote device management

DLAP Series Embedded System Powered by NVIDIA® Jetson® SOMs

Compact Deep Learning Acceleration Platforms for SWaP-Constrained Edge AI



DLAP-201-JT2

Edge AI Platform

Powered by NVIDIA® Jetson™ TX2 SOM

- Compact, robust and fanless design
- Lines of industrial-grade I/O ports
- Wide temperature operation support from -20°C to 70°C
- Integrated with Allxon remote device management



DLAP-211-Nano/ DLAP-211-JNX

Edge AI Platform

Powered by NVIDIA® Jetson Nano™/ Xavier™ NX SOM

- Compact, robust and fanless design
- Lines of industrial-grade I/O ports
- Wide temperature operation support from -20°C to 70°C
- Available with Amazon Lookout for Vision and Allxon remote device management



DLAP-301-Nano/ DLAP-301-JNX

AI-enabled Embedded NVR

Powered by NVIDIA® Jetson Nano™/ Xavier™ NX SOM

- Compact, robust and fanless design
- 8 ports of PoE for video stream applications
- Wide temperature operation support from -20°C to 70°C
- Available with Amazon Lookout for Vision and Allxon remote device management



DLAP-401-Xavier

Edge AI Platform

Powered by NVIDIA® Jetson AGX Xavier™ SOM

- Compact, robust and fanless design
- Lines of industrial-grade I/O ports
- Wide temperature operation support from -20°C to 60°C
- Integrated with Allxon for remote device management



Application Industries

- Automation
- Transportation
- Government/Defense
- Logistics/Warehouse
- Medical/Healthcare
- Water Resources/Agriculture
- Hospitality/Retail

DLAP Series Embedded System Powered by Intel® and NVIDIA® RTX™ Platforms

Heterogeneous Deep Learning Acceleration Platforms for High-Performance Edge Inference



DLAP-3000-CF/ 3100-CF

Compact, rugged GPU-enabled Platform

- 8th or 9th Gen. Intel® Celeron® or Core™ i3/ i5/ i7 CPU
- Support ADLINK MXM graphics module
- Scalable with ADLINK AFM slot; custom I/O ports arrangement provided
- Operating temperature up to 50°C
- AC/DC adapter, up to 500W
- Integrated with Allxon remote device management



DLAP-3200-CF

Expandable, Rugged GPU-enabled Platform

- 8th or 9th Gen. Intel® Celeron® or Core™ i3/ i5/ i7 CPU
- Support ADLINK MXM graphics module
- Scalable with ADLINK AFM slot; custom I/O ports arrangement provided
- 2x PCIe x4 for custom expansion
- Operating temperature up to 50°C
- AC/DC adapter, up to 500W
- Integrated with Allxon remote device management



DLAP-4000

Industrial-Grade GPU-enabled Platform

- 8th or 9th Gen. Intel® Core™ i3/ i5/ i7 CPU
- Support 1x FHFL, dual-slot NVIDIA® RTX graphic card
- Scalable with ADLINK AFM slot; custom I/O ports arrangement provided
- Operating temperature up to 50°C
- AC power input, up to 500W
- Integrated with Allxon remote device management



DLAP-8000

Accessible and Scalable GPU-Enabled Workstation

- 9th Gen. Intel® Core™ i3/ i5/ i7, or Xeon® CPU
- Support 2x FHFL, dual-slot NVIDIA® RTX graphic card
- Scalable with ADLINK AFM slot; custom I/O ports arrangement provided
- Operating temperature up to 50°C
- AC power input, up to 1000W
- Integrated with Allxon remote device management

Choose the Most Suitable DLAP System

High Performance ↓ Low SWaP

Application Examples	Models	Size (Liters)	CPU Options	CPU Performance (TFLOPS)	CPU Form Factors
• Object recognition for pick place • Edge servers	DLAP-4000 DLAP-8000	9.9 15	Intel® Xeon® or Intel® Core™ Processor	130.5 (FP32) >200 (FP32)	Full-Height, Full-Lengh PEG card
• Mobile medical imaging • Endoscopy systems	DLAP-3000 DLAP-3100 DLAP-3200	3.2 3.2 5.6	Intel® Core™ Processor	75.2 (FP32)	MXM Type A/B/B+
• Machine vision • Edge autonomous systems	DLAP-201-JT2 DLAP-211-JNX DLAP-211-Nano DLAP-301-JNX DLAP-301-Nano DLAP-401-Xavier	0.8 0.9 0.9 2.0 2.0 1.8	NVIDIA® Jetson™ System on Module	1.5 (FP16) 6 (FP16) 0.5 (FP16) 6 (FP16) 0.5 (FP16) 5.5-11(FP16)	NVIDIA®J etson™ System on Module

DLAP Series in Action

Cashier-less Cafeteria



An AI-based, cashier-less checkout system scans all items on a customer's tray and requests contactless payment for the total amount in less than 1.5 seconds.

Mobile Medical Imaging



An all-in-one mobile C-ARM provides sharp, detailed medical images and maneuverability to doctors.

Snow Plowing Vision



An AI-enabled vision system identifies living or inanimate objects in the road and alerts the snow plow driver before a collision may occur.

Logistics Automation



An AI-guided autonomous transport robot employs simultaneous localization and mapping (SLAM) and 3D pose estimations to navigate challenging logistics environments.

ADLINK
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NVIDIA PREFERRED PARTNER

intel partner Titanium IoT Solutions

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