Embedded Graphics based on NVIDIA Quadro Embedded

ADLINK's Embedded MXM GPU modules and PCIe graphics cards offer improved system responsiveness, power efficiency, and system robustness, significantly improving speed and efficiency for the artificial intelligence (AI) calculations required by edge applications.

Embedded MXM GPU modules feature high performance per watt and extended operating temperature options, ideally suited to SWaP-constrained applications in demanding environments. PCIe graphics cards maximize computing power and plug-and-play convenience to significantly boost performance for computing-intensive and performance-critical applications. Custom firmware and long product lifecycle are supported to cater to edge application requirements.

EGX-MXM-T1000

Mobile PCI Express Module with NVIDIA Quadro Embedded T1000

EGX-MXM-RTX3000

Mobile PCI Express Module with NVIDIA Quadro Embedded RTX3000

EGX-MXM-RTX5000

Mobile PCI Express Module with NVIDIA Quadro Embedded RTX5000

EGX-MXM-P1000

Mobile PCI Express Module with NVIDIA Quadro Embedded P1000

EGX-MXM-P2000

Mobile PCI Express Module with NVIDIA Quadro Embedded P2000

Quadro-E PEG P620

PCI Express Graphic Card with NVIDIA Quadro Embedded P620

Quadro-E PEG P1000

PCI Express Graphic Card with NVIDIA Quadr Embedded P1000

Quadro PEG T1000

PCI Express Graphic Card with NVIDIA Quadro T1000

Quadro PEG RTX4000

PCI Express Graphic Card with NVIDIA Quadro RTX4000

Quadro PEG RTX5000

PCI Express Graphic Card with NVIDIA Quadro RTX5000

Quadro PEG RTX6000

PCI Express Graphic Card with NVIDIA Quadro RTX6000

Quadro PEG RTX8000

PCI Express Graphic Card with NVIDIA Quadro RTX8000

Edge AI Platforms based on NVIDIA Jetson

ADLINK has developed edge AI platforms based on the full spectrum of NVIDIA Jetson modules including NVIDIA Jetson Nano, NVIDIA® Jetson™ TX2 and NVIDIA® Jetson AGX Xavier™. The latest edge AI platforms include:

NEON-2000-JT2

NVIDIA Jetson TX2-based Industrial AI Smart Camera for the Edge

NEON-2000-JT2-X

NVIDIA Jetson TX2-based Industrial AI Smart Camera for the Edge with IP67

NEON-2000-JNX

NVIDIA Jetson Xavier NX-based Industrial AI Smart Camera for the Edge

DLAP-201-JT2

Edge AI Platform based on NVIDIA Jetson TX2

DLAP-211-Nano

Edge AI Platform based on NVIDIA Jetson Nano

DLAP-211-JNX

Edge AI Platform based on NVIDIA Jetson Xavier TX2

DLAP-301-Nano

Edge AI Platforms based on NVIDIA Jetson Nano for AI NVR

DLAP-301-JNX

Edge AI Platforms based on NVIDIA Jetson Xavier NX for AI NVR

DLAP-401-Xavier

Edge AI Platform based on NVIDIA Jetson AGX Xavier

ROScube-X

Real-time ROS 2 Controller based on NVIDIA Jetson AGX Xavier for Autonomous Robotics

GPU Computing Platforms

ADLINK's GPU computing platforms are available with unbeatable CPU and GPU combinations, allowing system developers, OEMs, and systems integrators to construct and optimize system architecture for edge computing and AI applications. ADLINK also helps evaluate hardware and AI performance to maximize the performance of our platforms.

Edge Platforms & Embedded MXM GPU Modules

MVP-6100-MXM

Expandable GPU workstation supporting MXM GPU modules, frame grabber, data acquisition & motion control

MVP-5100-MXM

Embedded GPU workstation supporting MXM GPU module and rich I/Os

DLAP-3000-CF

Compact GPU-enabled embedded platform with scalable GPU performance for edge computing and AI

DLAP-3100-CF

Compact GPU-enabled embedded platform with scalable GPU performance for edge computing and AI

DLAP-3200-CF

Compact GPU-enabled embedded platform with scalable GPU performance for edge computing and AI

EOS-i6000-P Series

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

EOS-iX000-P

High-Performance AI GigE Vision Systems for the Edge with NVIDIA Quadro GPU

ADi-SC1X

Modular flexibility and easy upgrade with COM Express, MXM GPU module, and backplane for gaming & infotainment

AVA-5500 Series

Rugged, EN50155-compliant platform for real-time video/graphics analytics applications with NVIDIA Quadro® GPU MXM

HPERC-KBL

Extreme rugged, VITA-75 SWaP-optimized platform for defense with enhanced graphics processing driven by NVIDIA GPU MXM

cPCI-R6500

6U CompactPCI RTM with NVIDIA GPU MXM for additional graphics processing as a complementary part of 6U processor blades

VPX3-P5000

Rugged 3U VPX blade with NVIDIA Quadro® GPU MXM modules for data and image processing in harsh operating environments

AMSTX-CF

The only GPU parallel computing enabled Micro-STX Platform ideal for compute-intensive image processing

Edge Platforms & PCIe Graphics Cards

MVP-6100

Embedded computer with 9th Gen Intel® Core™, supporting PCIe graphics, frame grabber, data acquisition & motion control

MVP-6010/6020

Embedded computer with 6th Gen Intel® Core™, supporting PCIe graphics, frame grabber, data acquisition & motion control

MXC-6400

Rugged embedded computer with 6th Gen Intel® Core™, supporting PCIe graphics, frame grabber, data acquisition & motion control

MXC-6600

Rugged embedded computer with 9th Gen Intel® Core™, supporting PCIe graphics, frame grabber, data acquisition & motion control

DLAP-4000

Compact industrial GPU workstation supporting dual-width FHFL PEG slot and 8th/9th Gen. Intel® Core™ i7/i5/i3

DLAP-8000

Compact industrial GPU workstation supporting 2x dual-width FHFL PEG slots and 9th Gen Intel® Xeon®, Core™ i7/i5/i3

ADi-SA1X

Support up to 11 displays for gaming, intelligent vending machines, and infotainment applications

ADi-SA2X

Support up to 7 displays for gaming, intelligent vending machines, and infotainment applications

CSA-7210

2U platform for next-generation networking and security applications with high processing, I/O density and scalability

MECS-7210

2U OTII standards compliant, flexible Edge Server for 5G MEC and AI applications with optional acceleration hardware

MECS-6110

1U OTII standards compliant, flexible Edge Server for 5G MEC and AI applications with optional acceleration hardware

ALPS-2200B

2U mainstream GPU server supports up to 6 PCIe slots for GPU cards deployment

IMB-M43

Industrial ATX Motherboard with rugged I/O and best PCIe expansion for high-speed image-intensive applications

IMB-M43H

ATX Motherboard with legacy PCI expansion ready for industrial automation requiring various camera usage

IMB-M43-C236

Industrial ATX Motherboard with configurable PCIe expansion accommodating multiple cameras/frame grabbers

IMB-M45

Industrial ATX motherboard with configurable PCIe expansion ideal for compute-intensive image processing

IMB-M45H

8-core Intel® Core i empowered ATX motherboard with most PCI expansion accommodating vision/motion controllers

AmITX-SL-G

Form-fit-function design supports PEG card, AI frame grabber, data acquisition, and motion control cards

AmITX-AL-I

Form-fit-function design supports PEG card, AI frame grabber, data acquisition, and motion control cards

AmITX-RZ-G

Form-fit-function design supports PEG card for gaming

GPU Onboard Integration

Custom designs are often necessary to accommodate the application-specific needs of our embedded customers. With our long-term success in designing embedded modules, carrier boards, and systems, ADLINK, as an NVIDIA Quadro Embedded Partner, can quickly develop edge AI platforms based on NVIDIA Quadro Embedded GPUs and Jetson modules catered to specific application needs. ADLINK's experience and expertise with custom projects enables our customers to rapidly harness the power of AI at the edge.