

Gaming Solutions

Taking Gaming to the
Next Level



Comprehensive Gaming Solutions

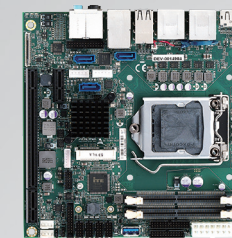
Developers of gaming devices, like lottery and slot machines, video lottery terminals, and electronic games, need to ensure continuous operation, which requires hardware stability and ease of maintenance. ADLINK Gaming Solutions satisfy these requirements and much more, leveraging ADLINK's extensive experience and long-term success in hardware design and software development. ADLINK's self-owned manufacturing base delivers products of exceptional quality and reliability for a diverse set of solutions.

ADLINK offers a comprehensive, best-in-class product portfolio, combining reliable hardware with leading-edge software stacks to reduce game design complexity. Gaming solution providers can choose from a wide range of embedded modules, carrier boards, and systems; or have ADLINK quickly develop a full-customized gaming platform that caters to specific gaming application needs.

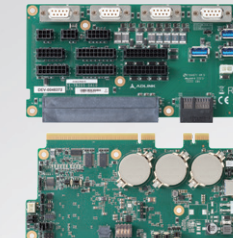
ADLINK's Product Portfolio



Gaming Platforms



Gaming Mainboards



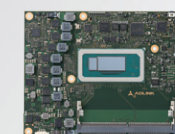
I/O and Security
Accessories for Gaming



MXM Modules
and PEG Cards



General-Purpose
Platforms



Computer-on-Modules
(COM)



Gaming Monitors



Software Platform

Gaming-Specific Solutions

Taking Gaming to the Next Level

Developers can focus on creating the world's best games when they take advantage of ADLINK's unique combination of computer expertise and a cutting-edge software stack developed with a deep understanding of the gaming industry's requirements and regulations. ADLINK provides developers with value-added features, including:

- ▶ Highly flexible and scalable combination of hardware technology features and software modules
- ▶ Dedicated vertical I/O and security hardware
- ▶ Dedicated vertical software stack for gaming
- ▶ Local A+ integration capabilities
- ▶ True embedded life cycle (longevity and rugged design)
- ▶ Platforms based on Intel, AMD, and NVIDIA products

Gaming Platforms

ADLINK's gaming platforms consist of highly scalable and modular hardware, and come with our Advanced Gaming Architecture to enable easy system integration with existing games as well as essential peripheral devices, thus simplifying development.



ADi-SA1X-AD

Ultimate performance gaming platform based on 12th/13th/14th Gen Intel® Core™ processors. Supports up to 11 independent displays, including 4K UHD.



ADi-SA2X-RZ

High-performance gaming platform based on AMD Ryzen™ Embedded R1000/V1000 Series. Supports up to eight independent displays, including 4K UHD.



ADi-SA2X-AD

High-performance gaming platform based on 12th Gen Intel® Core™ processors. Supports up to eight independent displays, including 4K UHD.



ADi-SC1X

Modular flexibility and easy upgrades with COM Express, MXM GPU module, and backplane for gaming and infotainment.



ADi-SA3X-AD

All-in-one gaming platform based on 12th Gen Intel® Core™ processors. Supports up to eight independent displays, including 4K UHD.



ADi-SA3X-RZ

All-in-one gaming platform based on AMD Ryzen V2000 processors. Supports up to eight independent displays, including 4K UHD.



ADi-SA6X-AD

Mini-ITX gaming platform based on 12th/13th/14th Gen Intel® Core™ processors. Supports up to eight independent displays, including 4K UHD.



ADi-SA6X-RZ-E8K

Mini-ITX gaming platform based on AMD® Ryzen™ Embedded 8000 processors. Supports up to eight independent displays, including 4K UHD.
*No graphics card by default



Gaming Mainboards

ADLINK's gaming boards feature Gaming Laboratories International (GLI) compliance, easy and flexible configuration, security enhancements, and system resilience.



AmITX-RZ-G-E8K

Mini-ITX embedded board with AMD® Ryzen™ Embedded 8000 APU.



AmITX-CF-G

Mini-ITX embedded board with 8th/9th Gen Intel® Core™ desktop processor.



AmITX-AD-G

Mini-ITX embedded board with 12th/13th/14th Gen Intel® Core™ desktop processor.

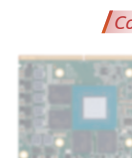


ADi-BC1X

Embedded mainboard for modular flexibility and easy upgrades with COM Express, MXM GPU module, and backplane for gaming and infotainment.

Graphics Solutions

ADLINK's GPU solutions, based on NVIDIA® and Intel® embedded GPUs, accelerate the processing and rendering of images, video, and animation. ADLINK's ARiP gaming platforms can support up to 11 displays.



EGX-MXM-BW500/2000

Embedded MXM GPU Module with NVIDIA Blackwell.



NVIDIA T(4)600E/1000E

Embedded PCI express graphics card with 4GB/8GB GDDR6.



MXM-AXe

Embedded MXM GPU Module with Intel® Arc™ A370E/A350E GPU.



EGX-PCIE-A380E/B50

EGX-PCIE-A380E PCI express graphics card with Intel® ARC™ A380E/B50.

I/O and Security Accessories for Gaming

ADLINK's gaming components are designed to meet application-specific needs and are compatible with ADLINK platforms.



ADi-SIOG-FPGA

Modular gaming and retail I/O controller card with battery-backed NVRAM and intrusion detection.



ADi-BSEC

Intelligent gaming and retail controller card.



ADi-BACC

Intelligent gaming and retail I/O controller card.



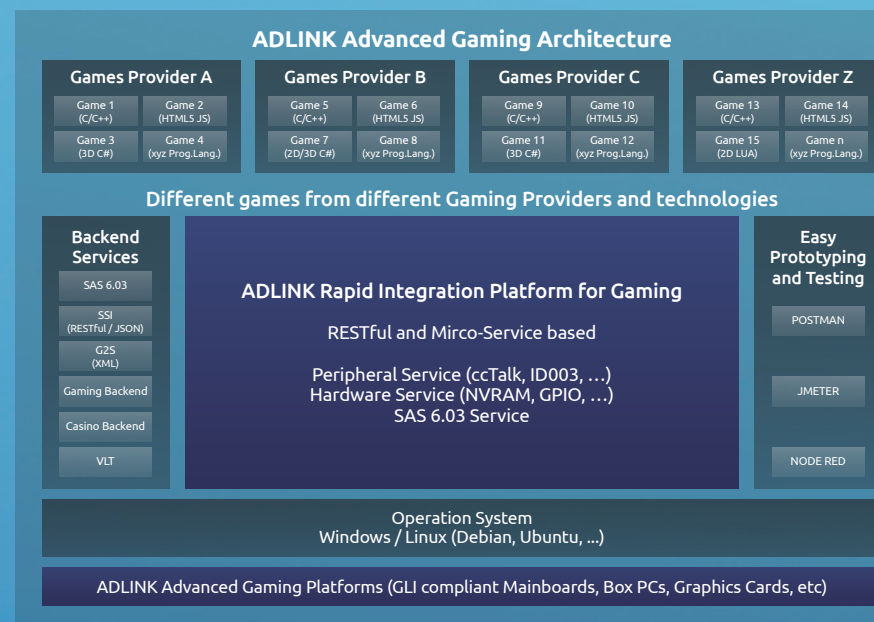
ADi-BAMP

Audio amplifier card (Class D).

Advanced Gaming Architecture

When gaming code and machine hardware are closely coupled, software developers must write code that is specific to a particular hardware platform, which increases the time and resources needed for system integration and deployment. So instead of working on value-added tasks, like writing new games, some gaming developers spend considerable time bringing up games on their hardware. This includes writing software to

- ▶ Communicate with low-level components (e.g., buttons, lamps, NVRAM, hardware-counters, system, and crypto-chip)
- ▶ Communicate with peripherals (e.g., coin/note acceptors, ticket printers, and hoppers)
- ▶ Control the computing system to optimize game performance
- ▶ Connect gaming machines to back-office transaction management systems
- ▶ Ensure the accuracy and security of financial and personal data



Fast Deployment Reduces Engineering Effort

ADLINK addresses these issues by decoupling software and hardware with its Advanced Gaming Architecture based on service-oriented architecture (SOA) that abstracts away the underlying complexity of machine hardware, so it is easier for gaming applications to:

- ▶ Interface to any manufacturer's peripherals
- ▶ Control the computing hardware and operating system
- ▶ Use standard code to connect to back-office systems

ADLINK's Advanced Gaming Architecture is a software stack including the following components:

ADLINK Gaming Layer	Hardware abstraction layer	An abstraction layer that allows digital I/O substitution without code changes; controls buttons and lamps using an interface; and simplifies third-party game development via a software simulator.
Device Abstraction Service (DAS)	API for peripherals	An application programming interface which is an abstraction layer that provides developers with an easy way to configure peripheral devices, like coin/note acceptors, ticket printers, and hoppers, without needing an in-depth knowledge of their unique communication protocols.
Hardware Abstraction Service (HWS)	API for low-level components, NVRAM	A complete middleware library that allows gaming applications to better use operating system and computing hardware resources with minimal developer coding effort.
Slot Accounting System (SAS) Engine	Software stack	The ADi-SAS stack that enables rapid SAS integration with current accounting and backend services.

In addition, ADLINK's Advanced Gaming Architecture integrates industry-standard tools, such as POSTMAN, JMeter, Node-RED, and commonly-used programming languages to ease gaming application prototyping and testing.

In summary, ADLINK Advanced Gaming Architecture enables gaming solution providers to

- ▶ Easily integrate gaming applications on their hardware of choice
- ▶ Install any gaming application on ADLINK machine hardware, even HTML5 and land-based games on the same machine
- ▶ Accelerate the launch of new game applications
- ▶ Focus on rapidly deploying new games rather than on provisioning the computing system

Gaming Monitors Unparalleled Gaming Experiences

ADLINK delivers best-in-class gaming performance, bringing together a full range of expertise and capabilities to deliver one-stop gaming solutions for our customers. Gaming customers have terminals. ADLINK offers a full range of gaming displays to meet those needs, including curved, true flat, open-frame, and LED-framed monitors to meet wide and varied requirements in the gaming industry.

True Flat Gaming Monitors

ADLINK offers a comprehensive range of 27-inch and 32-inch true flat monitors. The GM Series is available as open frame and LED-framed monitors for embedded use or gaming cabinet mounting, and with touch and non-touch options to meet your interactivity needs.



GM-270

27" Open frame gaming monitor with touchscreen.



GM-270G

27" Open frame gaming monitor.



GM-270S

27" LED-framed gaming monitor with touchscreen.



GM-270SG

27" LED-framed gaming monitor.



GM-320

32" Open frame gaming monitor with touchscreen.



GM-320G

32" Open frame gaming monitor.



GM-320S

32" LED-framed gaming monitor with touchscreen.



GM-320SG

32" LED-framed gaming monitor.

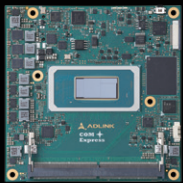
General Purpose Solutions

Designed to perform and last, ADLINK's embedded modules and computers enhance responsiveness and durability across gaming applications, and provide the following features:

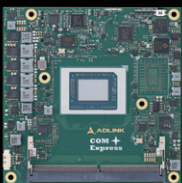
- ▶ Reliable and competitive modules
- ▶ Fully integrated systems according to specific customer requirements
- ▶ Unique NVIDIA GPU-compatible platforms

Rugged Modules

In a range of form factors with competitive prices and comprehensive support, ADLINK's computer-on-module solutions enable long-term availability, and easy system evolution and upgrades by simply changing modules.



cExpress-MTL
COM Express® R3.1 Type 6 Compact Size Module with Intel® Core™ Ultra processors.



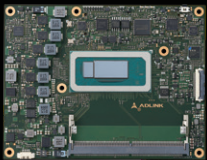
cExpress-R8
COM Express Type 6 Compact Module with AMD Ryzen™ Embedded 8000 series processor (Zen 4).



LEC-RB5(N)
SMARC Short Size Module with Qualcomm® QRB5165 Series octa-core SoC.



LEC-ASL
SMARC Short Size Module with Intel® Atom® x7000 series (Amston Lake) processors.



Express-RLP
COM Express Rev. 3.1 Basic Size Type 6 Module with 13th Gen Intel® Core™ mobile processor.



COM-HPC-mMTL
Mini Type COM-HPC Module with Intel® Core™ Ultra processor.



LEC-MTK-I1200
SMARC Short Size Module with MediaTek® Genio 1200 platform.



LEC-IMX95
SMARC® 2.2 Short Size Module with NXP i.MX95 SoC.



SP2-IMX8
NXP® ARM based fanless 7"/10.1" open frame panel PC.



SP2-EHL
Intel Atom® x6000E series based fanless 7"/10.1"/15.6"/21.5" open frame panel PC.



SP2-MTL
Intel® Core™ Ultra based fanless open frame panel PC.



OSM-MTK510
OSM R1.1 Size-L Module with MediaTek Genio 510 processor.



OSM-iMX93
OSM R1.1 Size-L Module with NXP® i.MX93 series processor.



S2D series
Industrial 2.5" SATA SSD offering capacities up to 8TB with options for TLC and p-SLC flash.



E3T series
Industrial M.2 2280/2242 PCIe SSD series offering capacities from 128GB to 2TB with options for TLC and p-SLC flash.

Scalable Embedded Solutions

Versatile embedded systems, delivering reliable performance through industrial-grade components and rugged design, from compact single-board computers to expandable platforms.



SBC35-ALN/ASL
3.5" SBCs with Intel Atom® processors.



SBC35-RPL
3.5" SBCs with Intel® Core™ processors.



SBC35-MTL/ARL
3.5" SBCs with Intel® Core™ Ultra processors.



MXE-310
Streamlined, fanless, expandable edge computing platform with 13th Gen Intel® Core™ CPU.



MVP-5200/6200
Intel® Core™ Series 2 and 14/13/12th Gen Core™ processor-based compact module industrial computers.



DLAP-4100
Industrial Mini-ITX System with Intel® Core™ Series 2 and 14/13/12th Gen Core™ processors.



DLAP-8100
AI IPC with Intel® Core™ Series 2 and 14/13/12th Gen Core™ processors.



EMP-520
Intel® Core™ Ultra 7/5-based advanced compact box PC.

About ADLINK

Leading EDGE COMPUTING

Founded in 1995, ADLINK Technology Inc. (TAIEX: 6166) is a global leader in embedded and edge computing, accelerating edge AI empowerment—driving intelligence at the edge. We design and manufacture edge hardware and software for embedded, distributed, and intelligent computing. From medical PCs in intensive care units to autonomous driving solutions, over 1,600 global customers trust ADLINK for missioncritical success.

With 31 years of innovation, ADLINK offers a broad portfolio of commercial off-the-shelf (COTS) products—including computer-on-modules, industrial motherboards, edge servers, and AI platforms—engineered for industrial-grade reliability and long lifecycle support. We also provide design and manufacturing services tailored to customer requirements.

In 2018, ADLINK officially partners with NVIDIA to deliver 'AI at the Edge' solutions. Stressing ADLINK's extensive and market-proven expertise in supplying embedded and

connected platforms for industrial markets such as gaming, manufacturing, telecom, defense, transportation and healthcare, this collaboration combines the strengths and core competencies of both companies in a highly synergistic way. The combination of advanced technologies provides customers with opportunities to deploy leading-edge solutions in support of operational excellence and new business models.

ADLINK has operations in the United States, UK, Singapore, China, Japan, Korea, Germany, Israel and India. Our global presence includes 6 design centers, 7 operations and logistics centers, 2 manufacturing facilities, and 20 support offices worldwide. ADLINK products are currently available in over 40 countries across five continents, with worldwide distribution networks and more than 1,600 employees. ADLINK is proud to be associated with many major technology leaders and Fortune 500 companies. With design and technology centers in the U.S., the Pacific Rim regions and Germany, ADLINK is a technology-leading platform provider in the embedded computing industry.



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