TAIWAN
EXCELLENCE
®

*THE BEST MADE IN T**AI**WAN*
Trusted Worldwide
PRODUCT BROUCHURE

Embedded World 2025 **March11-13**

HALL 2, 2-313 **Taiwan Excellence Pavilion**

TAIWAN EXCELLENCE

About Taiwan Excellence

Taiwan Excellence is a prestigious award from Taiwan, bestowed only upon a select handful of brands that represent the best made in Taiwan, recognized for their innovation and achievements. Organized by the Taiwan Administration of Trade (TITA), this award underscores the government's commitment to promoting outstanding Taiwanese industries on the global stage.

Each year, a cross-disciplinary team of jurors embarks on a mission to identify and select Taiwanese brands that are setting new standards in sustainability, design, R&D, quality, and marketing.

Over the years, Taiwan Excellence has evolved into one of the most sought-after and recognizable symbols worldwide, further solidifying Taiwan's reputation as a trusted global partner.

ADVANTECH
Enabling an Intelligent Planet

APLEX Technology

ASUS IoT

AVerMedia

DFI

ΣDiMAX

iBASE

innodisk

Lanner

NEXCOM

oToBrite
driving easier and safer

PEGATRON

PHISON

PLANET
Networking & Communication

SP Silicon Power

TEAMGROUP **Team**
INDUSTRIAL

Transcend®

AD\ANTECH

Enabling an Intelligent Planet

Advantech Co., Ltd.

Advantech has the corporate vision to "Enable an Intelligent Planet". The company is a global leader in the fields of IoT intelligent systems and embedded platforms.

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ADVANTECH

Enabling an Intelligent Planet

The market is seeing a rise in practical applications of various generative AI technologies. However, training LLM models demands significant equipment investment and uploading sensitive data to the cloud poses security risks. Advantech addresses this with the AIR-520 offline LLM AI fine-tuning solution. The solution includes the AIR-520 Edge AI Workstation, SQ ai100 AI SSD, NVIDIA RTX GPU cards, Edge AI SDK with GenAI Studio, and optionally, NVIDIA AI Enterprise for seamless hardware-software integration, enabling enterprises to train LLMs cost-effectively while keeping sensitive data secure at the edge.

The AIR-520 solution includes SQ ai100 AI SSDs, which leverage aiDAPTIV+ technology. These SSDs act as an extension of GPU vRAM, enabling the system to fine-tune LLMs with minimal GPU resources. This approach significantly reduces costs—down to 1/10 of a traditional training server—while keeping sensitive data secure at the edge.

Advantech AIR-520 has been deployed in many LLM applications in manufacturing, enterprise, healthcare, and government sectors. Our customers are mainly enterprise or independent software vendors. Below are some of the examples.

Citizen Services: A city government implemented a generative AI-powered human-robot collaboration system in their citizen helpline. This integration significantly enhanced efficiency, availability, accuracy, and service personalization. Advantech AIR-520 offers a cost-effective approach for in-house model training and fine-tuning.

A user-friendly, no-code graphical interface enabled fine-tuning with local datasets, enhancing content quality and accuracy. Collaboration with an Independent Software Vendor (ISV) provided customized on-premises LLMs, removing technical barriers and ensuring seamless integration. Results: Freeing up to 80% of human resources. For more details, refer to the link

Decision Support System in Manufacturing: An electronics manufacturer faced challenges in managing complex material handling and production processes, which relied on multiple information systems and substantial human resources. To enhance efficiency, product quality, customer satisfaction, and strategic decision-making, they integrated LLM AI into their decision support system. Result: Real-time status & analytics For more details, refer to the link.

Online Legal Service: An online legal consultation platform sought to enhance service delivery by implementing AI to provide faster, more accurate responses to common legal inquiries, optimize lawyer matching, and reduce operational costs. Advantech helped them solve challenges such as budget constraints for in-house model training and fine-tuning. For more details, refer to the link

Contact: **Thomas Eder Thomas.Eder@advantech.de**
Booth: **Hall 3 / Booth Number 3-339**
Website: **www.advantech.com**

▶▶ On-premise Large Language Model (LLM) Edge AI Server

AIR-520

Advantech's AIR-520 solution empowers secure and cost-efficient on-premise LLM fine-tuning with GPUs. Featuring the AIR-520 edge server, SQ ai100 SSD, high-performance GPUs, and Advantech GenAI Studio, it streamlines edge AI deployment—reducing costs, minimizing risks, and accelerating LLM training with preloaded GenAI Studio for a seamless experience.

Learn More 🔵

TAIWAN EXCELLENCE

▶▶ # NFC Ultra-Thin Battery-Free ePaper

EPD-303

A 3.7-inch NFC-powered, battery-free ePaper display, designed for an ultra-slim form factor and enabling quick image updates via mobile devices and NFC readers. The EPD-303 supports black, white and red colors for versatile display options.

Learn More

TAIWAN EXCELLENCE

▶▶ Color Spectra 6 13.3" ePaper

EPD-662

A 13.3-inch WiFi-enabled colorful ePaper, offering an easy-to-deploy solution ideal for applications in healthcare and smart factories as digital signage.

Learn More ⟳

TAIWAN EXCELLENCE

APLEX Technology Inc.

APLEX, a global industrial computer products solutions provider who has devoted to developing industrial panel PC, HMI, box PC and display. Supporting applications from industrial automation, F&B manufacturing, health care, railway, marine, vehicle management, gas & oil industry and machine vision.

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APLEX edge computing solutions have officially unveiled its latest innovation, a state-of-the-art Edge AI inference device, poised to redefine embedded computing across various industries.

Our edge computing devices addresses the growing demand for efficient, localized data processing by combining artificial intelligence with edge computing. The device's powerful GPU and comprehensive software libraries empower AI software developers to accelerate deep learning and machine learning projects.

Industrial automation and AIoT integrators will find it invaluable for optimizing factory automation, smart cities, and smart agriculture, thereby boosting operational efficiency and intelligence. Designed for innovative applications in AMR and smart transportation sectors, this device improves factory automation, enhances autonomous vehicles, and powers intelligent transportation systems.

Targeted at sectors like autonomous and unmanned vehicles, the device supports critical functions such as perception, decision-making, and control. By enabling advanced applications in AMR and smart transportation, the device enhances safety, increased efficiency as well as offer scalability and flexibility.

APLEX, a global leader in developing industrial automation solutions, focuses on creating robust, dependable, and innovative products, supporting industries like IoT, automation, robotics, and smart transportation. For more information, visit the www.aplex.com.

▶▶ Botton-Integrated Rugged Industrial Panel PC

ABOS-921CP

- 21.5" FHD Projected Capacitive Touch Screen
- Intel 11th Gen. i3/i5 Processors
- Built-in Functional Buttons for Intuitive Operation
- IP65 Full Sealed with Swing Arm Mounting
- Optional Left/right Side Handles & Keyboard Bracket
- DC 9~36V Wide Range Power Input

Learn More

TAIWAN EXCELLENCE

▶▶ Modular Designed Smart Manufacturing HMI

ARCHMI-S-816BP

- 15.6" FHD Projected Capacitive Touch Screen
- Intel Celeron J6412 Processor
- 1 x DDR4 3200MHz SO-DIMM, Up to 32GB
- Modular Design: Easy Upgrade, Maintenance, Cost-effective
- IP66 Compliant Aluminum Front Bezel
- Wide Range Temperature Fanless Design
- Support Sunlight Readable Solution
- Suitable for Smart Manufacturing, AIOT Factory, Process Control, EV Charging Station, etc

Learn More

TAIWAN EXCELLENCE

▶▶ EDGE-AI Rugged HMI

AUHMI-910CP

- 10.1" Projected Capacitive Touch Screen
- Intel 11th Gen. i3/i5 Processors
- 2 x 260-pin SO-DIMM up to 64GB DDR4 3200MHz
- Modular design: easy upgrade, maintenance, cost-effective
- Wide Range Temperature Fanless Design
- IP66 Compliant Aluminum Front Bezel
- Support Expansion via Full-size Mini-PCIe and M.2 slots
- Suitable for Smart Manufacturing, AIOT Edge AI, etc

Learn More ⬀

TAIWAN EXCELLENCE

ASUS IoT

ASUS GLOBAL PTE LTD

ASUS IoT is a sub-brand of ASUS dedicated to the creation of incredible solutions in the fields of AI and IoT. Our mission is to become a trusted provider of embedded systems and a partner in the AIoT solutions ecosystem.

ASUS IoT strives to deliver best-in-class products and services across diverse vertical markets – providing convenient and efficient environments for people everywhere.

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ASUS IoT

ASUS IoT PE1102N

ASUS IoT PE1102N is a rugged edge AI system powered by NVIDIA® Jetson™ Orin™ Nano, designed for applications like autonomous vehicles, robotics, industrial automation, and smart surveillance. It supports up to four GMSL2 cameras for real-time, low-latency data processing.

Leveraging NVIDIA's Super Mode and JetPack 6.2, PE1102N improves AI inference, boosting computing efficiency and real-time decision-making. Its edge computing eliminates cloud reliance, reducing latency and enhancing security for applications such as computer vision and predictive maintenance. The rugged, fanless design ensures reliability in harsh environments.

PE1102N is deployed in smart cities, autonomous mobile robots (AMRs) and advanced manufacturing, offering seamless AI-framework integration and performance optimization.

Targeting developers and industrial users, PE1102N enables real-time decision-making, reduces cloud dependency, and ensures robust performance in challenging conditions.

As an NVIDIA Preferred Partner, ASUS IoT ensures smooth AI framework integration, allowing developers to deploy models with minimal adjustments. PE1102N has already been successfully implemented in smart cities, AMRs and advanced manufacturing and contribute to driving the next generation of AI applications and accelerating industrial transformation.

Learn more at our booth (Hall 3 # 3-257) at Embedded World 2025 or visit **our website**

▶▶ R680EA-IM-Z

High-performance industrial motherboard for
high-end machine vision applications

- Supports up to 125W Intel® 14th/13th/12th Gen K-series processors, +21% CPU performance boost
- Meets MIL-STD 810H testing criteria for rugged reliability
- Features ASUS IoT's Watchdog Timer 2.0 for enhanced system stability
- Remotely control via out-of-band (OOB) management solution

Learn More

TAIWAN
EXCELLENCE

▶▶ **PE8000G**

Rugged edge AI GPU computer supporting up to dual 450W GPU cards for AI computation

- Latest 14th/13th/12th Gen Intel® Core™ processors (RPL-S Refresh)
- Supports dual 450W GPU cards for the most demanding AI workloads
- 8-48V wide-range DC input with built-in ignition power control
- Thermal design for -20ºC to 60ºC rugged operation in extreme environments

Learn More ◉

TAIWAN EXCELLENCE

▶▶ **PE1102N**

Rugged, fanless Edge AI system powered by NVIDIA® Jetson Orin Nano™ or Orin NX™ for AI-driven performance

- Powered by NVIDIA® Jetson Orin Nano™ 8GB/16GB or Orin NX™ 8GB/16GB for efficient AI processing
- Supports 4 x GMSL, out-of-band management, or 2 x GigE LAN for versatile expansion
- DC 9V to 36V wide-range input with Ignition Power Control for automotive use
- Operates at -20ºC to 60ºC

Learn More

TAIWAN EXCELLENCE

AVerMedia

AVerMedia Technologies, Inc.

AVerMedia is a global leader in audiovisual and AI-embedded solutions. As an NVIDIA Elite Partner, we deliver superior hardware design and performance-driven AI SoM. Our customer-focused approach ensures dedicated support, reinforcing our commitment to technological innovation.

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**Harnessing AI to Revolutionize Food Waste Reduction –
AVerMedia D131L Board**

AVerMedia's D131L Carrier Board, Support NVIDIA® Jetson Orin™ NX/ Orin Nano™ modules with Super Mode, powers an AI solution for real-time food waste analysis and categorization. Using edge AI and machine learning, it addresses inefficiencies in waste management by delivering precise, source-based data collection and analysis.

Food waste is a critical issue across industries, impacting sustainability goals and operational costs. Traditional solutions often rely on manual tracking or centralized systems that lack real-time insights, but the D131L's compact design and AI capabilities deliver accurate, immediate results, enabling businesses to reduce waste effectively while optimizing resource usage and minimizing costs.

Deployed in commercial kitchens and dining facilities, the solution has proven effective in improving efficiency and sustainability. Restaurant chains, catering companies, and sustainability-focused organizations benefit, alongside technology integrators seeking scalable solutions.

By utilizing AI-powered cameras and sensors connected through D131L's MIPI-CSI, HDMI, USB, and other I/O interfaces, the D131L enables real-time waste recognition and categorization, contributing to cost savings, reducing environmental impact, and advancing the journey towards a zero-waste model.

▶▶ Smart City Management AI Box PC

D115WOXB(5G) AI Box PC

Accelerated by NVIDIA® Jetson™ Orin Nano™/Orin™ NX with Super Mode, operating temperature range -25 to 60°C, equipped with optional POE, 3x USB 3.2, 2x 4K HDMI, 2x M.2 slots, customizable BSP, and JetPack SDK making it ideal for smart city applications.

Learn More ▸

TAIWAN EXCELLENCE

▶▶ High Reliability IP65 AI Box PC
D135 AI Box PC

Reliable, military-grade IP65 protection with -40 to 60ºC range. Accelerated by NVIDIA® Jetson™ Orin Nano™/Orin™ NX with Super Mode, is designed for the IP65 (IP67 by request) and features a rich assortment of waterproof I/O ports such us 6x POE, 2x Can Bus and 2x USB3.0 for rapid AI-based solution development. Additional for OOB management, customizable BSP ensure exceptional durability in harsh environments.

Learn More 🔵

TAIWAN EXCELLENCE

DFI

DFI Inc.

DFI, based in Taipei, Taiwan, specializes in industrial PCs, motherboards, displays, and ODM/OEM services, focusing on vertical markets like POS, security, and gaming.

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DFI

DFI's AI-powered system, equipped with Intel® Meteor Lake processors, enhances Autonomous Mobile Robots (AMRs) with cutting-edge Edge AI capabilities. This technology enables real-time object recognition, motion planning, and adaptive decision-making, solving key challenges in autonomous navigation and operational efficiency.
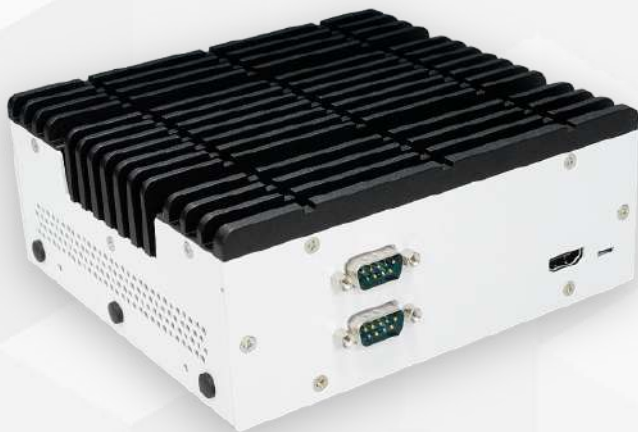
Industries increasingly demand intelligent automation to optimize workflows, yet traditional solutions struggle with latency and adaptability. DFI's Edge AI processing ensures low-latency, high-accuracy performance, boosting efficiency while reducing costs.

Ideal for smart factories, logistics hubs, and warehouses, this solution empowers AMRs to navigate dynamic environments. Successfully deployed in industrial automation, it has significantly improved productivity and safety.

Manufacturers, logistics operators, and system integrators benefit from enhanced AMR performance. Through collaborations with industry leaders, DFI drives AI-driven automation forward.

By processing AI workloads at the edge, the system minimizes reliance on cloud computing, delivering faster response times, improved navigation accuracy, and up to 30% increased operational efficiency. Learn more at Embedded World 2025, booth Hall 3-533, or visit DFI's website.

▶▶ **X6-ORN**

- Nvidia Edge AI engine: NVIDIA® Jetson Orin Nano™ or NX
- Multi GbE ports with PoE: Four RJ45 GbE ports and optional 2x PoE
- Optional OOB (out-of-band) support
- Multiple Expansions: 1 M.2 2230 E-Key, 1 M.2 2280 M-Key, 1 M.2 3042/3052 B-Key
- Rich I/O: 1 COM/CANBus/DIO, 2 USB 3.2

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TAIWAN EXCELLENCE

▶▶ **VC700-ASL**

- Intel Atom® x7835RE In-Vehicle Computing System
- ITxPT certified, compact, fanless design
- OOB remote management & 9-axis sensor for fleet monitoring
- Expandable: 2x Mini-PCIe, 3x M.2 for CAN bus, GPS, LTE, 5G, WiFi, storage
- Integrated 10W audio amp & 2.5KV isolated 8-bit DIO
- Wide 9–36V power input with ACC/IGN support

Learn More

TAIWAN EXCELLENCE

▸▸ **EB100-MTU**

- Industrial NUC compact system
- Intel® Ultra 5/7 (14th Gen, 12W)
- Dual DDR5 SODIMM, up to 64GB
- -20°C~50°C operation, passive/optional fan cooling
- Ultra-compact (111 x 51.1 x 106 mm)
- Expandable: M.2 2230 E-Key, M.2 2280 M-Key (NVMe)
- I/O: 2x 2.5GbE (TSN/TCC), 2x USB 3.2, 2x Type-C, 2x HDMI, 2x DB9 (COM/DIO)
- Optional: M.2 Hailo AI accelerator

Learn More

TAIWAN EXCELLENCE

ΣDIMAX

Edimax Technology Co., Ltd.

EDIMAX as global brand is dedicated to designing, developing, and manufacturing smart networking, AIoT, IIoT solutions for industry, business and home.

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ΣDiMAX

Edimax AI-2005BE AI-driven air quality solution targets B2B markets like smart campuses, factories, hospitals, and city projects (for instance, public restrooms). It features monitoring, AI & cloud analysis, real-time display, alerts, and improvements. The solution includes a multi-sensor AI air quality detector, the EDIMAX cloud management system, and a mobile app. Users can monitor air quality in real-time, connect to digital signage for display, and control air purifiers and ventilation systems for air improvement.

The AI air quality box integrates over 12 smart sensors (PM2.5, PM10, CO, C02, NO2, TVOC, THC, Vape, AQI, Temperature, and Humidity Sensors) and provides real-time sensing without temperature constraints. It includes a 0.7 TOPS neural network processor for AI edge computing to analyze the air quality. AI-2005BE features two-way voice functionality for remote alerts, impact protection, a security lock, and easy installation with a patented airflow design. Over 1,000pcs AI-2005BE are installed in Australia campuses, it prevents students from smoking and using marijuana in campuses restrooms, and enhancing the campus safety.

▶▶ AX1800 Wi-Fi 6 Smart Managed Wi-Fi System/ Wi-Fi 6 AX1800 PoE Ceiling Mount Access Point

CAX1800/PrimeAX +1

The PrimeAX +1/CAX1800, a simple, secure, and expandable Wi-Fi system with IEEE 802.11ax Wi-Fi 6 technology for business and enterprise environments.

- Plug-and-Play, Self-Managed, Pre-Configured Wi-Fi System
- AX1800 Wi-Fi 6 High-Speed
- Expandable Wi-Fi System: Expandable with PrimeAX 1-2-3 +1 Add-on AP, up to a total of 16 APs

Learn More

TAIWAN EXCELLENCE

▶▶ Industrial IoT Wireless and Wired Embedded System Soluiton

IEW-7811UTC, EW-7611UXB, BT-8530, EW-7822UBE, EN-9320TXE V2

Your Industry, Our Solution. IIoT & AIoT Implementation.

Industrial wireless and wired embedded system solutions include Wi-Fi, 2-in-1 Wi-Fi + Bluetooth USB adapter, 10GbE PCIe card for Windows, Linux systems.

- Wi-Fi 7/6/5/4, 2-in-1 BT USB Adapter in nano, mini, compact size or adjustable external antenna for embedded system
- Wide Compatibility: Supports Windows/Linux OS
- 10GbE PCIe Card for computer upgrade

Learn More ▸

▶▶ Industrial 2.5GbE PoE+ L2+ Managed Switch and IEEE 802.3bt 2.5GbE 90W PoE++ Injector

IGS/GS-Series Switch & GP-203IT

The Industrial & Surveillance VLAN 24/16/8-Port 1G/2.5GbE PoE+/++ L2 Switch. GP-203IT PoE++ 2.5GbE 90W Injector.

· 24/16/8-port 1/2.5GbE PoE+/++ 90W switch

· One-click to create Surveillance VLAN and auto-discover, auto-enrolled Surveillance compliant devices at once

· Wide operating temperature range for industrial or extreme environments

Learn More

TAIWAN EXCELLENCE

iBASE

IBASE Technology Inc.

Founded in 2000, IBASE is a global leader in the design and manufacturing of robust computing platforms. Current product offerings comprise x86- and ARM-based industrial motherboards, single-board computers, embedded systems, edge computers, panel PCs, digital signage players, and network appliances for industries such as AIoT, industrial automation, smart retail, intelligent transportation, medical, and networking & communications.

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iBASE

IBASE continues to push the boundaries of edge computing and industrial IoT with its latest innovations, offering high-performance, rugged, and compact solutions tailored for AI, industrial automation, and embedded applications. Below are three outstanding products that cater to diverse market needs.

SI-624-AI:
High-Performance Edge AI Computer for Real-Time AI Processing
The SI-624-AI is a powerful edge AI computer designed to handle high-speed, multi-tasking AI deep learning applications. Equipped with a 13th Gen Intel® Core™ processor and an NVIDIA Ampere Architecture MXM GPU, this system provides exceptional image processing performance to facilitate real-time AI inference and analytics.

AGS104T:
Rugged Fanless IoT Gateway for Industrial Edge Computing
The AGS104T is a fanless IoT gateway edge computer that delivers exceptional reliability in extreme industrial environments. Powered by Intel® Atom® x7433RE and x7211RE processors (formerly Amston Lake), this compact system is designed to operate within a wide temperature range of -40°C to 70°C, making it a perfect solution for critical IoT edge computing deployments.

IB962:
Compact and Versatile 3.5" Single Board Computer
The IB962 is a high-performance 3.5-inch single board computer (SBC) powered by the latest Intel® Core™ Ultra processors. With a compact footprint of just 102mm x 147mm (4" x 5.8"), the IB962 is ideal for space-constrained applications, including industrial automation, medical imaging, and AI edge computing.

▶▶ Edge AI Computer
SI-624-AI

- 13th/12th Gen Intel® Core™ / Pentium® / Celeron® QC/ DC processors
- 4x DDR4-3200 U-DIMM, Max. 128GB, ECC compatible
- NVIDIA Ampere Architecture MXM GPU cards
- 1x HDMI 1.4 for console, 4x DisplayPort
- 1x M.2 E-key (2230) for WiFi, Bluetooth or capture card
- 1x M.2 B-key (3052) for 5G
- 2x M.2 NVMe SSD drive bay
- OOB function via I210 LAN port (optional)
- Supports TPM 2.0

Learn More 🖰

TAIWAN EXCELLENCE

▶▶ Ultra-Compact IoT Gateway Edge Computing System

AGS104T

- Intel® Atom® x7433RE/x7211RE Processors
- HDMI & DP, USB Type-C, GPIO 4-in/4-out
- 1x M.2 B-key 3052 for 5G/4G/LTE
- 1x M.2 E-key 2230 for WiFi/BT, 1x full-size mPCIe for mSATA
- 2x 2.5G LAN, 3x USB 3.2, 1x USB 2.0, 4x COM
- 9V~36V DC wide-range power input
- Over/under/reverse voltage protection
- Wide-range operating temperature -40ºC ~ 70ºC

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TAIWAN EXCELLENCE

►► 3.5" Single Board Computer
IB962

- Intel® Core™ Ultra 7/5 100 Series processors (formerly Meteor Lake U/H)
- 2x DDR5 SO-DIMM, Max. 96GB
- Supports HDMI, DP++, LVDS and eDP
- 1x Intel® I226LM 2.5G LAN, 1x Intel® I226V 2.5G LAN
- 3x USB 3.2, 3x USB 2.0, 2x COM, 2x SATA III
- 3x M.2 slots (M-Key + E-Key + B-Key)
- 12V~24V DC power input
- Supports 5G, digital I/O (4-in/4-out), TPM & watchdog timer

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TAIWAN EXCELLENCE

innodisk

Innodisk Corporation

As the leading global brand of industrial-grade memory and storage, we have years of experience delivering data solutions across various industries. Now, we're stepping into the business of intelligence with our expertise and application insights.Our solutions serve as tailored building blocks for AI deployments. We sense real-time moments in dynamic scenarios, accelerate computing, and empower decisions at every edge. We lay the groundwork for tomorrow's technological advancements and foster transformation across deployment scenarios.

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▶▶ CXL 2.0 Type 3 Memory Expansion

CXL Type 3 Memory Module

Capacity: 64GB

Interface: By PCIe 5.0 / E3.S 2T

Supported Platform:

· Xeon Scalable – 4th Gen Eagle Stream : Sapphire Rapids

· 5th Gen Eagle Stream: Emeralds Rapids

· 6th Gen Birch Stream: Granite Rapids

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TAIWAN EXCELLENCE

▶▶ DDR5 Long DIMM Heat Spreader
M5R0-DGSI9CVQ

- Passively disperse heat generated during operation.
- Temperature drops around 5°C in 55°C chamber test with airflow.
- Tested with 20~500 Hz, 6G vibration test. (EIA 364-28 VII)
- Tested with 11ms,30G shock test. (IEC 60068-2-27)

Learn More ◖

TAIWAN EXCELLENCE

▶▶ E1.S Edge Server SSD

E1.S 4TG2-P

- · Interface: PCIe Gen 4 x4
- · Form Factor: E1.S
- · Capacity: 480GB-3.84TB
- · Temperature: Standard/Wide-temp.
- · Sequential R/W: 6950/4950 (MB/s)
- · Features: DWPD=1, Event Log, Self-Monitoring, ETEP, AES, TCG Opal, PLP (iCell)

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TAIWAN EXCELLENCE

Lanner

Lanner Electronics Inc.

Lanner Electronics Inc is a world-leading provider of design, engineering and manufacturing services for advanced network appliances and rugged applied computing platforms for system integrators, service providers and application developers.

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Lanner

To enable AI-driven 3D vision in self-service kiosks, the EAI-I133 Edge AI Appliance provides real-time, low-latency inference for precise item recognition. Powered by NVIDIA® Jetson Orin™ NX or Jetson Orin Nano™, it delivers up to 100 TOPS of AI computing performance, ensuring accurate, high-speed checkout automation.

Traditional self-checkout systems struggle with barcode scanning errors and manual intervention, leading to delays and inefficiencies. The AI-powered 3D vision system, deployed on the EAI-I133, eliminates these issues by recognizing products through advanced AI object detection and classification. This solution reduces checkout time, minimizes shrinkage from scanning errors, and enhances operational efficiency.

The ultra-compact 16.7 x 17.9 x 3 cm design fits seamlessly into kiosks, while automatic AI model updates keep the system optimized for new products. With 2x 2.5 GbE LAN, 1x GbE LAN, 2x COM, and 4x USB 3.2 ports, along with LTE, 5G Sub6, and Wi-Fi support, it ensures reliable connectivity in diverse retail environments.

By automating checkout, AI-powered kiosks free up staff time, shorten queues, and provide 24/7 service, significantly enhancing the customer experience and store efficiency.

▶▶ 3D Vision Retail Self-checkout Edge AI Computer

EAI-I133

The EAI-I133, powered by NVIDIA® Jetson Orin NX/Nano, delivers 100 TOPS AI processing in a compact design. Ideal for smart retail, it supports real-time, low-latency inference, optimizing AI-driven 3D vision systems in space-limited environments with exceptional performance.

Learn More ▸

TAIWAN EXCELLENCE

▶▶ Intelligent Edge Computing Appliance

EAI-I731

Lanner's EAI-I731 brings AI to extreme environments, enhancing analytics in healthcare, transportation, and smart cities. Designed for real-time processing and durability, it's tested for resilience against harsh conditions, extending edge computing's capabilities to the most challenging settings.

Learn More ↖

TAIWAN EXCELLENCE

▸▸ AI Inference System
EAI-I500

Lanner's EAI-I500, powered by the Intel® Core™ Ultra processor, excels in AI-driven video and media analytics for smart cities, retail, and healthcare. With advanced AI acceleration and real-time data processing, it enhances multitasking and optimizes edge applications.

Learn More ▸

TAIWAN EXCELLENCE

NEXCOM

NEXCOM International Co., Ltd.

NEXCOM, founded in 1992 in Taiwan, is a global leader in edge computing and industrial IoT solutions. It offers SD-Edge Computing, MOM (manufacturing operations management) platforms, and diverse solutions spanning AIoT, OT cybersecurity, smart cities, and robotics. Committed to innovation and sustainability, NEXCOM drives the AIoT ecosystem and ESG transformation to meet global client needs.

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NEXCOM

The NEXCOM AIGE 100 Edge AI Computer integrates AI with industrial automation, robotics, and motion control, addressing the need for real-time, high-precision control. Unlike separate AI and motion control systems, the AIGE 100 combines them, simplifying development and improving performance. This translates to faster time-to-market and cost savings for customers.

Powered by the NVIDIA® Jetson AGX Orin™, the AIGE 100 utilizes a real-time OS, NVIDIA JetPack™, an AI inference engine, and EtherCAT master protocol stack. Key technologies include machine learning and edge AI. It's ideal for controlling robotic arms in assembly lines, enabling complex manipulations and real-time adjustments based on AI vision processing.

Manufacturers, engineers, and IT managers benefit most. NEXCOM targets industries requiring high-precision control, such as manufacturing and robotics. The AIGE 100's high-performance computing (up to 275 TOPS) handles complex AI models, like object recognition. Dual EtherCAT master support enables microsecond-level communication for precise motion control. This streamlines development, improves efficiency, and reduces downtime.

Learn more at www.nexcom.com or contact contact@nexcom.com.tw.
Visit NEXCOM booth (Hall 5, Booth 5-235) at Embedded World 2025.

▶▶ In-vehicle/ Railway SuperCap BBU

VTK-SCAP

The VTK-SCAP is a high-performance rechargeable BBU designed for NEXCOM vehicle and railway computers.

Learn More ⟲

TAIWAN EXCELLENCE

▶▶ Visual Edge Computer
NDiS B362

The NDiS B362 Visual Edge Computer, powered by the Intel® Meteor Lake-U Processor, delivers up to 35 TOPS of AI computing power.

Learn More ➤

TAIWAN EXCELLENCE

▶▶ **Automation PC**

NIFE 106

The NIFE 106 Factory Automation Fanless System, featuring a palm-sized form factor, is powered by the Intel® Processor N97 Quad-Core.

Learn More ⬦

TAIWAN EXCELLENCE

oToBrite
driving easier and safer

oToBrite Electronics

Founded in 2013, oToBrite is a leading vision-AI, ADAS and Autonomy solutions provider. Based in Hsinchu Science Park, oToBrite has an IATF 16949 certified clean room factory and many years of experience as an automotive Tier-1 supplier.

Ian Tzeng

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oToBrite
driving easier and safer

Autonomous robots and unmanned vehicles require precise positioning to navigate efficiently, yet many existing solutions depend on costly HD maps/lidar or GNSS/RTK signals. oToBrite's innovative multi-camera vision-AI SLAM system offers a breakthrough alternative by ensuring reliable mapping and positioning in both indoor and outdoor environments— without the need for external infrastructure.

Utilizing four automotive cameras, an automotive ECU (<10 TOPS), and advanced vision-AI technology, the system integrates object classification, freespace segmentation, semantics/3D feature mapping, and low-bit AI model quantization/pruning. This cost-effective solution delivers high positioning accuracy of up to 1cm (may vary depending on the environment & additional sensors), outperforming conventional methods in both affordability and precision.

Already deployed in real-world applications like Automatic Parking Assist (APA) and Autonomous Valet Parking (AVP), oToBrite's technology is making an impact to enable XPeng Motors to implement APA, while its GMSL automotive cameras are also integrated into multiple NVIDIA and Intel edge AI platforms. Leading industrial computer providers, including Advantech, Axiomtek, ADLINK, AVerMedia, Vecow, and Neousys, also support its GMSL automotive cameras.

By eliminating highly dependency on HD maps and GNSS/RTK signals, oToBrite's AI-powered SLAM is setting a new standard for autonomous mobility. To learn more, visit: www.otobrite.com.

▶▶ Multi-camera Vision-AI Positioning System for Autonomous Navigation

oToSLAM

oToSLAM for Autonomous Navigation

oToSLAM utilizes vision-AI technology, 4 automotive cameras, and an ECU to enable multi-camera vision-AI SLAM system.

The system combines object classification, freespace segmentation, and semantics/3D feature mapping technology to provide positioning accuracy of up to 1cm.

Learn More ▶

TAIWAN EXCELLENCE

▸▸ Vision-AI All-in-One Level 2+ ADAS Product for Commercial Vehicles

oToGuard

oToGuard is equipped with 1 automotive-grade ECU system, 8 cameras, and vision-AI deep learning technology to realize multiple ADAS functions in order to protect vulnerable road users 360 degrees and monitor driver's behaviors to prevent accidents from happening.

Learn More ▸

TAIWAN EXCELLENCE

▸▸ Embedded GMSL™ Vision-AI Camera for Autonomous Robot & Unmanned Vehicles

oToCam Series

GMSL™ Automotive Camera for Autonomous Robot & Unmanned Vehicle

oToCAM series are built through specialized production processes and rigorously tested to meet IP67/ IP69K and -40ºC ~ +85ºC extreme environments. The series is supported on NVIDIA and Intel edge AI computing platforms to realize autonomous applications.

Learn More ⏺

TAIWAN EXCELLENCE

PEGATRON

Pegatron Corporation

PEGATRON Corporation, founded on January 1, 2008, leverages extensive product development experience and vertically integrated manufacturing to offer innovative design and production services. PEGATRON focuses on developing advanced servers for current and future Cloud Service Providers' data centers and enterprise-grade data centers, ensuring comprehensive customer satisfaction.

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PEGATRON

Pegatron Corporation implemented advanced GPU server solutions, including the NVIDIA GB200 NVL72 rack scale solution and NVIDIA MGX architecture GPU servers. These solutions address the growing computational demands of AI workloads by leveraging high-density configurations, modular designs, and efficient cooling systems.

The industry faces unprecedented computational challenges due to the rise of large language models and high-performance computing demands. Traditional memory architectures limit system scalability and drive-up operational costs. Pegatron's solutions optimize infrastructure, enhance operational efficiency, and lower total cost of ownership.

These AI solutions are applied in data centers, supporting edge computing, AI cloud services, large-scale AI model training, and inference tasks.

Scientists, manufacturers, engineers, and IT managers benefit from these AI solutions. Key partners and clients include leading technology companies and research institutions that require high-performance computing environments.

Pegatron RA4401-72N1 liquid-cooled NVIDIA GB200 NVL72 rack reduces a data center's carbon footprint and energy consumption. Compared to NVIDIA H100 air-cooled infrastructure, GB200 delivers 25X more performance at the same power while reducing water consumption. The advanced cooling systems, such as liquid-to-air, liquid-to-liquid and immersion cooling, manage high heat output. Pegatron achieved significant improvements, including at least 60% reduction in thermal cooling power and enhanced energy efficiency. For more information, please visit Pegatron's booth at Embedded World 2025, Hall 2, 2-313 and Pegatron SVR website.

▶▶ DC-MHS

Pegatron DC-MHS HPM follows OCP DC-MHS specification:

· M-SDNO Class A335
· Supports 1-Socket Intel® Xeon® 6900P/6900E-series processor
· 12x DDR5 DIMM slots
· 4x MCIO (PCIe5.0 x8)
· 2x PCIe5.0 x16 slot
· 2x M.2 2280/22110 (PCIe5.0 x4)
· 1x OCP 3.0 NIC (PCIe5.0 x16)
· 1x DC-SCI connector for DC-SCM2.0 module

Learn More ▸

▶▶ DC-SCM

Pegatron DC-SCM follows OCP DC-SCM 2.0 specification:

· ASPEED AST2600
· 1x RJ-45, 2x USB 3.2, 1x Mini DP, 1x Micro USB
· Optional TPM 2.0 for PRot 4.0

Learn More ▸

▶▶ F51W

Pegatron F51W is a fully-rugged tablet powered by 14th Intel® Core™ Ultra CPU, with rich I/Os and plan to pass USA DoD MIL-STD 810H tests and HazLoc certification.

Learn More ▸

TAIWAN EXCELLENCE

▶▶ 5G FWA

MG54AX

- Qualcomm SDX62 Cellular Modem
- 5G NR Sub-6GHz, 3GPP Release.16, SA/NSA
- Wi-Fi 6 Dual Band, 2+4 AX5400
- Multiple Gigabit Ethernet Ports
- Nano SIM
- N79 Supported
- Japan Telec Certified

Learn More ⬆

▶▶ 5G USB Dongle

MD100

- Qualcomm SDX62 Cellular Modem
- 5G NR Sub-6GHz, 3GPP Release.16, SA/NSA
- Dual USB-C (3.0) Ports, Support USB --Power Passthrough
- Nano SIM
- Provide 5G capability to devices
- Enable 5G Mobile Broadband and Network Slicing
- Adaptive for different device power conditions
- Capable for Consumer and Industry Application

Learn More ⬆

TAIWAN EXCELLENCE

▶▶ 5G ODU

M2U300

- Qualcomm SDX65 Cellular Modem
- 5G NR Sub-6GHz and mmWave, 3GPP Release.16, SA/NSA
- Outdoor FR1/FR2 Receiver
- High Gain mmWave Antenna Design
- 10GbE POE (802.3bt) Ethernet Port
- Nano SIM, Optional eSIM
- GNSS L1 Support
- IP65 Ingress Protection Enclosure Design

Learn More

▶▶ 5G IP CAMERA

NURA4K

- SONY STARVIS 4K HDR Image Sensor
- 7 Glasses High Resolution Day&Night Lens
- Embedded Speaker and Microphone
- Two-way Talk and Audio Echo Cancelling
- Snapdragon X62 5G Modem-RF
- Wi-Fi 802.11ac Dual Band 1x1
- IP65 Weather Resistance

Learn More

TAIWAN EXCELLENCE

PHISON

PHISON Electronics Corp.

Phison Electronics Corp. (TPEX:8299) is a global leader in NAND Flash controller IC and storage solutions. We provide a variety of services from controller design, system integration, IP licensing to total turnkey solutions, covering various applications across SSD (PCIe/SATA/PATA), eMMC, UFS, SD and USB interfaces, reaching out to consumer, industrial, automotive and enterprise markets.

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PHISON

Phison aiDAPTIV+ is designed for small and medium-sized businesses (SMBs) needing locally trained models and educational institutions focused on AI research. High training server costs pose a major challenge to AI democratization, but aiDAPTIV+ reduces reliance on expensive GDDR and HBM resources, making AI model training more accessible. It also enhances security by enabling on-premises training, addressing risks associated with cloud-based solutions.

Built with intelligent middleware aiDAPTIVLink and AI training workload-optimized NAND Flash-based caching media aiDAPTIVCache, aiDAPTIV+ supports efficient local training of large LLM models. As more companies recognize the need for fine-tuning AI models in-house, cost barriers remain a hurdle. aiDAPTIV+ offers an affordable alternative, leveraging NAND Flash technology to cut training expenses significantly. With a suite of microservices and cost-effective AI models, it boosts AI performance to the next level.

Applicable across healthcare, finance, education, and government, aiDAPTIV+ has been successfully implemented in universities, law firms, hospitals, high-tech firms, and government agencies. Key partners and clients include ADLINK, ADVANTECH, ALTOS, ASUS, ASROCK RACK, GIGABYTE, MSI, and SUPER MICRO. Learn more at Embedded World 2025, Hall 2 / Booth 2-313 (TAIWAN EXCELLENCE) or visit https://www.phison.com/en/aidaptiv-plus-ai-data-storage-solution.

▸▸ **aiDAPTIV+ Solution**
AI100E M.2 SSD / AI100E U.2 SSD / AI100E E1.S SSD

Phison's aiDAPTIV+ solution revolutionizes AI training infrastructure by dramatically lowering AI server costs and enhancing data security. Its user-friendly software allows one-click deployment to streamline LLM training, empowering businesses to accelerate AI development and stay ahead in a competitive landscape.

Learn More ↻

TAIWAN EXCELLENCE

▸▸ PASCARI Enterprise SSD - X Series

X200P U.2 SSD / X200E E3.S SSD / X100P U.2 SSD / X100P U.3 SSD

Our highest performing enterprise-class SSDs designed for extreme write intensity with vast capacity options allowing for scale and efficiency while reducing operating costs. Comes in latest form factors and is unmatched in features, being well-prepared for a variety of top applications.

Learn More

▸▸ PASCARI Enterprise SSD - D Series

D100P M.2 2280 SSD / D100P M.2 22110 SSD / D200P E1.S SSD / D200V U.2 SSD / D205V E3.L SSD

Contemporary data center utilizes a diverse array of storage form factors optimized to meet specific capacity, performance and feature needs.

PASCARI D-Series solutions are compatible with industry-standard and custom data center servers to accommodate increasing data volume and reduce power consumption.

Learn More

▸▸ PASCARI Enterprise SSD - B Series

BA50P M.2 2280 SSD / BA50P 2.5" SSD / B100P M.2 2280 SSD

Server performance starts at the core where applications and background tasks reside.

PASCARI B-Series boot drives are designed for reliability and I/O consistency ensuring optimal results even in high-volume rack scale environments.

Learn More

▸▸ PASCARI Enterprise SSD - S Series

SA50P 2.5" SSD / SA50V 2.5" SSD / SA50E 2.5" SSD

Efficiently manage the power consumption of your legacy servers with high-performance and large capacity.

PASCARI SATA S-Series products, designed to extend the life and capabilities of your existing servers without a complete overhaul of your existing infrastructure.

Learn More

TAIWAN EXCELLENCE

▶▶ Automotive Storage Solution PCIe Series
MPT5 / MPTA

Phison PCIe SSD utilizes the 1620 BGA form factor to assist automakers and Tier-1 suppliers in building faster systems. Phison's BGA SSDs, compliant with AEC-Q100, IATF16949, and other relevant certifications, are increasingly being used in infotainment applications.

Learn More

▶▶ Automotive Storage Solution eMMC Series
MEM5 / MEM9 / MEMA

Phison's eMMC are compliant with AEC-Q100, IATF16949 and other certifications required by customers. Phison has years of experience in collaboration with automotive partners to develop the most reliable eMMC solutions for Telematics systems, ADAS and IVI in today's modern vehicles.

Learn More

▶▶ Automotive Storage Solution UFS Series
MUM7 / MUME

Phison's automotive UFS solution - MUM7. MUM7 is compliant with AEC-Q100, IATF16949 and other certifications required by automotive industry customers. Phison leverages years of expertise in UFS technology to make advanced UFS device for the automotive industry applications such as ADAS, Cockpit system.

Learn More

▶▶ Automotive Solution High Speed Signal Conditioning IC Series PS7201 & PS7161

Nowadays, with the increasing adoption of PCIe interconnects in automotive electronic architectures, Phison's PCIe Redriver/Retimer ICs provide the optimal solution to resolve PCIe signal challenging signal attenuation or distortion issues in automotive environments.

Learn More

TAIWAN EXCELLENCE

PLANET
Networking & Communication

PLANET Technology Corporation

PLANET has been focusing on the sustainable innovations of the transmission-based network technologies and devices since its establishment in 1993. The company's network solutions are exported to the global ICT market under its own brand name "PLANET" in more than 160 countries.

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PLANET
Networking & Communication

PLANET AIoT Application Server (NMS-AIoT)

PLANET AIoT Application Server (NMS-AIoT) is an advanced industrial AI platform that simplifies edge computing and smart management. It combines technologies like LoRa, Wi-Fi HaLow, and Modbus to unify environmental monitoring sensors, servers, and display managers into one seamless system. Designed to support global net-zero initiatives, it features an intelligent dashboard that provides real-time sensor data analysis and tracks carbon reduction, boosting efficiency by 50%.

This solution is used in public infrastructure, energy and water resources, large-scale manufacturing, and medical centers, with successful implementations in the UK, France, and the USA. It strengthens private cloud networks, lowers costs, and improves cybersecurity, benefiting governments, system integrators, and the retail sector. By collecting data from both wired and wireless IoT sensor devices, it enhances reliability by 50% and promotes sustainability.

For more details, visit https://www.planet.com.tw/en/product/nms-aiot, contact sales@planet.com.tw, or find us at our booth (co-exhibiting with Taiwan Excellence, booth number 2-313).

▶▶ Industrial L3 8-Port 10/100/1000T + 4-Port 1G/2.5G SFP + 4-Port 10GBASE-X SFP + Managed TSN Ethernet Switch

TSN-6325-8T4S4X

- 8-port 10/100/1000BASE-T
- 4-port 100/1G/2.5GBASE-X SFP
- 4-port 1G/2.5G/10GBASE-X SFP+
- TSN (Time Sensitive Networking) technology
- IEEE 1588 PTP Master/Slave/Boundary/Transparent Clock supported
- ERPS ring supported
- Layer 3 RIPv1/v2 and OSPFv2/v3 dynamic routing
- DI and DO supported

Learn More ⬤

TAIWAN EXCELLENCE

▶▶ Industrial L2+ 8-Port 10/100/1000T 802.3at PoE + 2-Port 10G SFP + Wall-mount Managed Ethernet Switch with LCD Touch Screen

WGS-4215-8P2XV

- 2.4-inch color LCD touch screen with management functions
- 8-Port 10/100/1000/2500BASE-T RJ45 with 802.3at PoE+
- 2-Port 100/1G/2.5G/10GBASE-X SFP+
- PoE budget up to 288W max.
- Dual 48~54V DC redundant power
- ITU G.8032 ERPS ring
- Layer 3 Static route supported

Learn More ▶

TAIWAN EXCELLENCE

▶▶ # Industrial L3 8-Port 10/100/1000T + 8-Port 1G/2.5G SFP + 4-Port 10G SFP+ Managed Ethernet Switch

IGS-6325-8T8S4X

- 8-port 10/100/1000BASE-T
- 8-port 100/1G/2.5GBASE-X SFP
- 4-port 10G BASE-X SFP+
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- IEEE 1588 PTP TC supported
- Static route and OSPFv2 supported
- DI and DO supported

Learn More ▸

TAIWAN EXCELLENCE

Silicon Power Computer & Communications Inc.

Silicon Power (SP) is a global provider of memory storage solutions. Its products have been sold in over 140 countries worldwide by successfully blending innovative technology with award-winning designs.

As of 2024, SP has received 153 product design awards. Guided by its brand philosophy, "Memory is Personal," SP consistently strives for excellence in preserving and protecting data.

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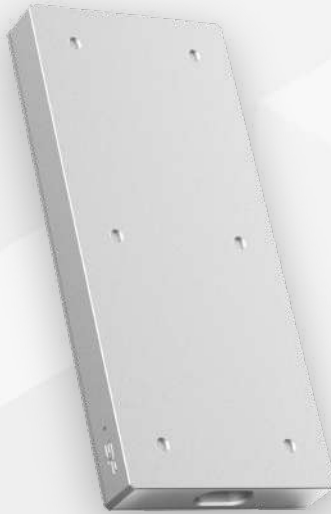Phone: +31 (0) 6 50297009

RAID Solution for GPU Direct Storage Architecture

As AI applications expand, I/O transmission efficiency has become the key to determining performance. In traditional transmission architecture, calculation processes are restricted because the transmission bandwidth between the CPU and GPU is insufficient or the I/O delay is too long, resulting in longer wait times for the storage device to load data. Through the GPU Direct Storage (GDS) architecture, multiple GPUs can directly access memory through the PCIe interface, eliminating the step of copying source GPU data to the CPU or host system memory buffer, thus reducing access delays and fully maximizing computing power.

Silicon Power Industrial's GDS3M0 is a revolutionary solution that eliminates the bandwidth constraints of traditional PC systems. With GPU Direct Storage (GDS) technology, it eliminates bottlenecks of transmission efficiency between GPUs, expanding the bandwidth by four times, and a remarkable 74% latency improvement during sequential read and write operations. Equipped with eight Silicon Power MEC3M0E PCIe Gen 4x4 SSDs in one RAID card, it delivers exceptional performance with sequential read and write speeds up to 28 GB/s and 26 GB/s, respectively, while ensuring unparalleled processing efficiency.

▶▶ # Portable SSD

PNV350

The Cinema Pro PNV350 is a rugged, high-performance portable SSD. Its CNC-machined aluminum body ensures efficient heat dissipation, while IP67 protection and a 2m drop resistance safeguard against harsh conditions. A secure countersunk jack and compact design optimize usability for professionals.

Learn More ◉

TAIWAN EXCELLENCE

▶▶ Industrial Combo SSD

CSD3K0E

The CSD3K0E combines a 2.5" SSD and microSD into a single 2.5" SSD interface, offering compact design, dual storage spaces, and flexibility for edge computing devices. Its patented form factor redefines efficiency and innovation in storage technology.

Learn More

TAIWAN EXCELLENCE

▶▶ # M.2 2230 E key Gen3x1 NVMe SSD

MEM3K0E E-Key SSD

Compact and scalable, the MEMKOE M.2 PCIe 2230 E-Key SSD complements M-Key slot primary drives. Serving as the ideal cache and buffer storage solution, it optimizes system performance by balancing workloads during resource-intensive tasks with up to 512GB capacity. Silicon Power also offers wide temperature solutions to adapt to harsh environments.

Learn More

TAIWAN EXCELLENCE

TEAMGROUP *Team*

INDUSTRIAL

Team Group Inc.

As a leading provider of memory storage products and mobile applications to the market, Team Group Inc. is committed to providing the best storage, multimedia and data sharing solutions.
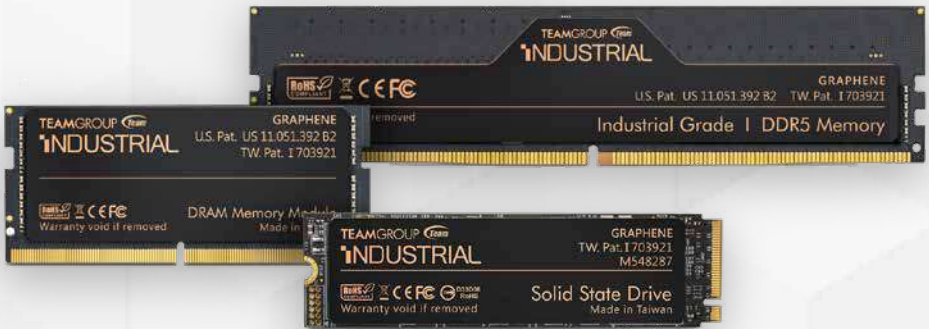
Dennis Wu
Sales Manager
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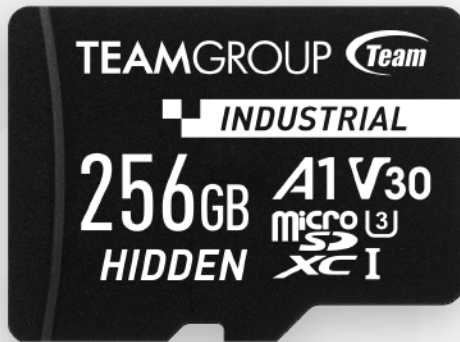# ▶▶ Industrial ULTRA Temp Storage Products

DDR5 WT DIMM / N745-W SSD

The industrial ultra-wide temperature products series that can withstand operating temperatures up to 105° Celsius.

Learn More

TAIWAN EXCELLENCE

▸▸ **WORM / Hidden Card**
D500R SD/MSD; D500N SD/MSD

D500R SD/MSD:「WRITE-ONCE-READ-MANY」
D500N SD/MSD: Specified partition hiding function

Learn More ⟳

TAIWAN EXCELLENCE

▶▶ Rugged Series N75G M.2 SSD

N75G has the patented ultra-thin graphene heat sink features graphene material with excellent thermal conduction performance, capable of effectively reducing the temperature.

Learn More

TAIWAN EXCELLENCE

Transcend Information, Inc.

Transcend Information, Inc., a global leader in digital storage, multimedia, and industrial products, operates 12 offices worldwide. The company designs, develops, manufactures, and markets its products, all while ensuring the highest quality standards and delivering professional customer service.

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T̄ Transcend®

Electric vehicles are evolving with advanced sensors, making autonomous driving more achievable. At the heart of this transformation is an in-vehicle server, a form of Edge AI, installed within these vehicles. This server must respond swiftly to its surroundings and maintain extremely high reliability to support autonomous operations.

Operating in autonomous electric vehicles, the in-vehicle server faces challenging conditions such as high temperatures and strong vibrations. To enhance its durability and ensure stable performance, Transcend's Conformal Coating solution is applied. This protective coating strengthens the system's reliability, allowing it to function seamlessly in harsh in-vehicle environments.

By integrating cutting-edge AI and protective technologies, electric vehicles can move closer to fully autonomous capabilities, offering enhanced safety and efficiency on the road.

▶▶ ESD265C Portable SSD

TS2TESD265C

The ESD265C is a portable solid-state drive featuring a sturdy metallic case in iron gray, unparalleled USB 10Gbps transfer rates, and a USB Type-C port.

Learn More ▶

▶▶ ESD300 Portable SSD

TS2TESD300P

The ESD300 is the smallest portable SSD with 10 Gbps transfer speeds and up to 2TB of storage. Compatible with all USB Type-C devices, it provides fast and efficient external storage.

Learn More ▶

▶▶ ESD310 Portable SSD

TS2TESD310C

The ESD310 is the smallest portable SSD, offering 10 Gbps transfer speeds and up to 2TB of storage. With both USB Type-A and Type-C connectors, it provides a convenient and efficient external storage solution.

Learn More ▶

TAIWAN EXCELLENCE

▶▶ ESD320A Portable SSD

TS2TESD320A

The ESD320A is made with a high-quality alloy that is incredibly durable and features built-in ECC for enhanced data stability. With a retractable USB Type-A connector, it offers a convenient and efficient external storage solution.

Learn More 🔽

▶▶ ESD330C Portable SSD

TS2TESD330C

The ESD330C is built with a high-quality alloy that is incredibly durable and offers up to 2TB of storage, enabling fast file transfers. With a retractable USB Type-C connector, it provides a convenient and efficient external storage solution.

Learn More 🔽

▶▶ ESD360C Portable SSD

TS4TESD360C

The ESD360C portable SSD offers a fast 20Gbps USB transfer rate and ample storage. Its credit card size allows easy portability, fitting in your pocket or wallet. It also features advanced data security and one-touch auto-backup.

Learn More 🔽

TAIWAN EXCELLENCE

▶▶ ESD380C Portable SSD

TS4TESD380C

The ESD380C is a portable solid-state drive with a shock protection design. Its USB 3.2 Gen 2x2 interface provides unmatched transfer rates, and with high capacity and compatibility, it's the perfect choice for secure portable storage.

Learn More ⟳

▶▶ ESD410C Portable SSD

TS4TESD410C

The ESD410C portable SSD offers blazing 20Gbps speeds and robust durability. It is compliant with US military-grade drop tests and meets IPX5 water resistance, ensuring excellent data protection. Ideal for outdoor photographers, travelers, and content creators.

Learn More ⟳

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®