Best Choice of the year

NVIDIA AI Enterprise
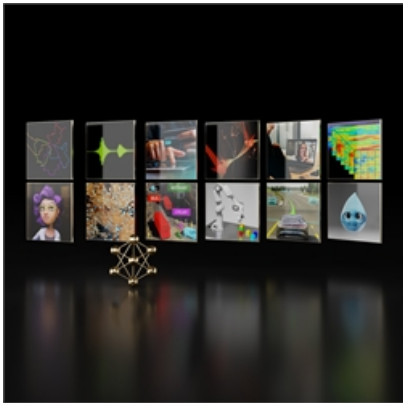
NVIDIA Corporation

香港商輝達香港控股有限公司台灣分公司

[Company Website](#)

Winning Reason

NVIDIA AI Enterprise is an end-to-end software platform. When enterprises start implementing AI, they can use the open and freely available NGC libraries for experimentation. Easy-to-use microservices offer optimized models, enabling the development and deployment of production-grade generative AI applications with shorter development times and lower costs. When it comes to practical application, enterprises leveraging AI to drive business operations can switch to platforms with better security and stability, supplemented by robust support, to ensure a smooth transition from prototype development to product launch.

Product Feature

NVIDIA AI Enterprise is an end-to-end, cloud-native software platform that accelerates data science pipelines and streamlines development and deployment of production-grade co-pilots and other generative AI applications. Easy-to-use microservices provide optimized model performance with enterprise-grade security, support, and stability to ensure a smooth transition from prototype to production for enterprises that run their businesses on AI.

https://bcaward.computex.biz/

Golden Award

SmartVDO Air

YUAN
Visualize Intelligent Planet

YUAN High-Tech Development Co., Ltd.
聰泰科技開發股份有限公司

Company Website

Winning Reason

SmartVDO Air is a powerful AI computing platform that transforms data center operations using digital twins. With PCB dimensions of only 90x50mm.SmartVDO Air integrates multiple image acquisition functions, supporting 12G-SDI/12G-SDI Quad-Link, HDMI2.1/GDMI2.0, GMSL2, and USB3.2 interfaces. Such functional diversity makes this platform invaluable for developers and system integrator businesses that need flexible AI solutions across industries such as, but not limited to, smart healthcare, transportation, and education. Air6N0's comprehensive suite of software and tools makes it easy for clients to develop their own applications on top of existing infrastructure to address their specific needs.

Product Feature

- YUAN's AIR6N0 is a compact AV computing platform with advanced AI, ideal for edge AI in media, industrial, traffic, defect detection, AGV/AMR, visual computing, and medical imaging.
- Powered by NVIDIA's Jetson Orin NX/Nano cores, up to 100TOPS, supports diverse video formats, dual-board design for input flexibility.
- YUAN offers software solutions, development kits for efficient self-development, and enhanced product efficiency.

https://bcaward.computex.biz/

Golden Award

CypherCom End-to-end Encryption Communication System

CHT Security Co., Ltd.
中華資安國際股份有限公司

[Company Website](#)

Winning Reason

This secure communications system employs hardware security tech, such as Slim SIM or Bluetooth tokens, coupled with an APP to achieve 256-bit end-to-end encryption for industries that require robust communication security to protect sensitive information such as clients' voice calls, texts, audiovisual documents, and business secrets. Its low-bandwidth mode offers high fidelity with low-bit-rate codecs and data packet compression technology to ensure secure communications even with satellite-based applications.

Product Feature

- Supports FIPS 140-2 Level 3 certified hardware-level secure element.
- End-users can use 3G/4G/5G or Wi-Fi connections without changing their internet access behaviors.
- Supports on-premises service type. Clients can revoke the keys whenever mobile device or hardware chip is lost.
- Supports both Android and iOS. End-users can use on their existing mobile devices.
- Integrated VoIP and IM. Provides End-to-End encrypted communications for voice, text, photos, videos and files.

Golden Award

j-mex MOXI Smart Mo-Cap Suit

聚陽實業股份有限公司
MAKALOT INDUSTRIAL CO., LTD.

MAKALOT industrial co., ltd.
聚陽實業股份有限公司

[Company Website](#)

Winning Reason

Weaving a new path through the industry is this unique washable smart garment that doesn't skimp on comfort for the wearer. It's easy on the wallet and simple to install while maintaining precise data collection capabilities. Its all-ages design is suitable for professional and amateur athletes alike, people recovering from injury, those undergoing or training for fitness tests, people using AR/VR, video makers, and animators.

Product Feature

- MOXI's standout feature is its IMU sensing technology, utilizing 10 9-axis sensors to precisely measure and record full-body movements. Beyond sports and rehab tracking, it captures angle changes, crucial for dynamic animation and controlling virtual characters in AR/VR.
- MOXI integrates specialized elastic conductive wires (high stretchable, ultra-thin cores and a 4 channel design) for wearable electronics. The design complies with the mass production process and is patent protected.

https://bcaward.computex.biz/

Golden Award

New Generation AIoT Home Center SoC

REALTEK

Realtek Semiconductor Corp.
瑞昱半導體股份有限公司

[Company Website](#)

Winning Reason

Outstanding product positioning offers high-efficiency AI edge computing, low power consumption, and ultra-integrated single-chip solutions for next-generation Wi-Fi and Bluetooth technologies. Functionally, it supports the latest global IoT matter protocol, integrates the world's smallest modules for DDR and NAND flash, and provides the highest IoT security level on the market. Technologically, it delivers high-quality True Wi-Fi 6 dual-band technology alongside comprehensive Bluetooth 5.3 dual-mode technology. Its low-power platform is suitable for battery-powered portable devices. It integrates multiple sensing technologies to ensure the best user experience, including wireless sensing and scanning technology for human motion detection, as well as ultra-low-latency panoramic multichannel synchronous platforms.

Product Feature

The RTL8730E integrates new-generation Wi-Fi 6 dual-band and BT 5.3 dual-mode technologies to provide reliable connectivity and minimize standby power. Equipped with Wi-Fi sensing and smart voice technologies, the RTL8730E detects a user's presence in the room, thereby further advancing smart home automation. The RTL8730E enables the creation of a wireless home theater to deliver high-fidelity, low-latency streaming multimedia enjoyment.

Golden Award

Predator Helios 18

Acer Incorporated
宏碁股份有限公司

[Company Website](#)

Winning Reason

The Predator Helios 18 is a top-of-the-line gaming laptop crammed with the latest in processors and graphics cards, powerful AI cooling technology, and a massive 18-inch screen. Coupling NVIDIA's newest DLSS 3.5, which uses AI to enhance ray tracing, with supersampling and frame generation, the user is treated to the best in image quality and color display. Acer's patented MagKey system is the first in the world to use mechanical keycaps that can be swapped out for different tactile and aesthetic experiences. There's no doubt that the Helios 18 is the market's most powerful mobile gaming platform, combining leading performance with a large screen and innovative design.

Product Feature

- Magkey 3.0 offers interchangeable keycaps.
- The 14th generation Intel Core i9 processor and GeForce RTX™ 4090 graphics card support   DLSS 3.5 technology and AI optimization, ensuring exceptional performance.
- The 18-inch 16:10 WQXGA Mini LED delivers an unparalleled visual experience.
- Wi-Fi 7 provides faster connection speeds.
- Built-in AI features such as PurifiedView and Purified Voice 2.0.

https://bcaward.computex.biz/

Golden Award

Prestige 16 AI Evo Slim AI Laptop

msi

Micro-Star International
微星科技股份有限公司

Company Website

Winning Reason

The 16 AI Evo B1M continues the design legacy of MSI's Prestige series with its magnesium-aluminum alloy chassis making it lighter and thinner than similar products without having to reduce the number of ports. It has a high-capacity 99.9Whr battery with up to 19 hours of battery life for extended use on the go and industrial-grade software and hardware security features for improved data and work environment security. The laptop uses Intel's latest AI chip to support the newest AI functions such as MSI's proprietary AI Engine, MSI AI Artist, and AI Noise Cancellation PRO to ensure the user can tackle any challenge that comes their way.

Product Feature

The Prestige 16 AI Evo features an ultra-slim body at just 1.5 kg, making it one of the lightest 16-inch laptops, significantly more portable than the usual 2 kg models. It boasts a long 19-hour battery life for enhanced mobility and is powered by the latest Core Ultra processor, providing exceptional multi-core, AI processing, and graphics capabilities, suitable for content creation and gaming. In summary, lightness, longevity, and high performance, ideal for those prioritizing mobility.

https://bcaward.computex.biz/

Golden Award

ROG Matrix Platinum GeForce RTX™ 4090 24GB GDDR6X

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

The ROG Matrix Platinum GeForce RTX™ 4090 24GB GDDR6X can say it works with the best, featuring the most powerful graphics chip on the consumer market—the NVIDIA RTX 4090. It has a 360mm high-end AIO liquid cooling system with a metal frame and aluminum body to protect the semi-hollow coldplate chamber, PCB, and pump shroud. Covering it all is a sleek, modern exoskeleton lit up in Aura Sync lighting effects. It achieves cooling excellence via a highly thermally conductive liquid metal interface protected by UV resin and covered by a custom-made copper coldplate to protect all critical components. The ROG Matrix Platinum GeForce RTX™ 4090 24GB GDDR6X is easily the most powerful and beautifully designed flagship graphics card made to date.

Product Feature

The ROG Matrix GeForce RTX 4090 with the highest performance of any card available today is the first production GPU to feature liquid metal as the thermal interface material, harnessing its incredible conductivity for out of this world cooling. An all-in-one cooling loop featuring our custom-engineered cold plate and embedded pump feature an optimized coolant flow rate to send heat through 700mm tubing and toward the 360mm radiator, both designed for easy building.

https://bcaward.computex.biz/

Golden Award

ThreatSonar Anti-Ransomware

TEAM T5 INC.
杜浦數位安全股份有限公司

Company Website

Winning Reason

ThreatSonar's Anti-Ransomware threat detection and response platform brings together intelligence gathering, AI threat detection, and response capabilities to effectively hunt down and combat ransomware attacks. As ransomware attacks grow daily in number and sophistication, the platform can stay ahead of the progress of malicious programs by not only detecting specific software characteristics, but also abnormal behavior to provide comprehensive and robust endpoint protection. It uses AI to protect against and handle the latest threats in real-time, intercepting them and quickly ascertaining their attack pathway.

Product Feature

- AI-driven threat protection, proactively defending against potential threats.

  Detection: The AI-driven detection mechanism brings a quick overview of incidents through auto-generated summary and response suggestions to reduce the risk of the threat.
  Analysis: The auto-generated incident analysis bundle makes event analysis more efficient.

- Behavior detection engine monitors around the clock to uncover the latest threats.
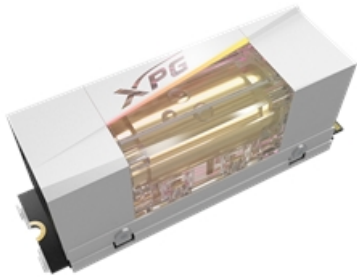- Visualize network attack chains & shorten incident investigation time.

https://bcaward.computex.biz/

Category Award

XPG Project NeonStorm PCIe Gen5 SSD

ADATA Technology Co., Ltd.
威剛科技股份有限公司

Company Website

Winning Reason

PCI-e Gen 5 x4 SSDs can only reach peak performance once the problem of effective cooling can be solved. The XPG Project Neonstorm SSD achieves this with active dual fans, an aluminum alloy heatsink, and a closed-loop liquid cooling system, all without sacrificing installation compatibility by keeping the device footprint to a minimum and avoiding the need for an external power source. This top-tier SSD can reach read speeds up to 14,000MB/s and write speeds of 12,000MB/s. And it looks good while doing it, with its unique RGB lighting.

Product Feature

- PCIe Gen5 x4 interface: sequential read/write speeds up to 14,000/12,000MB/s.
- Patented dual active cooling system: combines double-layer aluminum air ducts, liquid cooling system and dual fans.
- Unique heat dissipating design: heat dissipation efficiency is 10% higher than standard SSD heatsinks without liquid cooling.
- Compact one-piece design, easy to install and does not obstruct other components.
- Transparent liquid reservoir: cooling liquid status clearly visible with RGB lighting.

Category Award

2.5GBASE-T1 MACsec Ethernet Transceiver

REALTEK

Realtek Semiconductor Corp.
瑞昱半導體股份有限公司

Company Website

Winning Reason

Realtek's Ethernet audio framework provides precision audio timing and real-time AI visualizations to enhance driver confidence in assisted driving technology. It supports high-efficiency Ethernet for a reduction in energy consumption of over 50%. It integrates all this into a package size that's the smallest in the industry. With a first-in-class ASIL-B certification, this offering by Realtek is indispensable for functional safety in assisted driving applications.

Product Feature

- The RTL9021AS is the smallest (QFN 5x5) package Automotive Ethernet transceiver that can support 2.5Gbps, the first Automotive Ethernet transceiver to support AEC-Q100 Grade 1 2.5Gbps, and is suitable for ambient temperatures from 40°C~125°C.
- Its co-layout methodology makes it compatible with different 100BASE-T1 and 1000BASE-T1 Ethernet transceivers on the same PCB, matching the requirements of high-, middle-, and entry-level designs. It is the most cost-competitive 2.5Gbps solution.

https://bcaward.computex.biz/

Category Award

55inch Transparent Multi-touch Screen
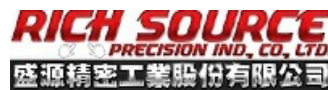
Rich Source Precision IND., CO., LTD.
盛源精密工業股份有限公司

Company Website

Winning Reason

Introducing this beautifully designed all-in-one high quality transparent large touchscreen Android device. It supports dual system switching between WIN/MAC/LINUX, and has a nine-split screen function for synchronized transmission of data from smartphones, tablets, and laptops. It can be remotely controlled for easier real-time updates and information sharing. The product's new features meet the demands of a highly diversified market and position Taiwan as a leader in innovative tech design.

Product Feature

- Innovative Transparent Design and Precise Color.
- Interactive Marketing and Attractiveness: The dazzling transparent screen design is applied to interactive marketing, attracting the attention of consumers, and effectively promoting products.
- Wide Range of Application Scenarios.
- Support for Android and Windows Systems: providing more diversified applications and operation methods.
- Multilingual Support and Time Settings.
- Features low power consumption and energy-saving features.

Category Award

Acer Swift Go 14

Acer Incorporated

宏碁股份有限公司

Company Website

Winning Reason

Acer has responded to the rise of the AI PC era with its latest high-end laptop continuing the Swift Go series' sleek, low-profile design and fully extendable 180-degree hinge. It's equipped with the latest hardware, including an Intel® Core Ultra 9 processor and a 2.8K OLED display and comes with a software suite that includes Copilot and proprietary AcerSense, Acer Experience Zone, Acer PurifiedView, Acer PurifiedVoice 2.0, Quick Panel, and GIMP, challenging the user to master all the latest in AI tech has to offer.

Product Feature

- Sleek and stylish: Swift Go 14 weighs just 1.3 kilograms and has a thickness of only 14.9 millimeters.
- High-performance: Equipped with an Intel Core Ultra series processor and an Intel AI Boost chip, the Swift Go 14 is well suited for handling AI tasks, delivering robust performance.
- Perfect display: The Swift Go 14 features a 14-inch 2.8K OLED screen with a 90Hz refresh rate. It supports 100% DCI-P3 color gamut and DisplayHDR True Black 500 certification, providing exceptional visual quality.

https://bcaward.computex.biz/

Category Award

AI enabled touch screen Solution
for foldable NB

ELAN Microelectronics Corp.
義隆電子股份有限公司

Company Website

Winning Reason

This device combines AI edge computing, a large foldable OLED display with both writing and touch capabilities, and support for three major active stylus protocols into one epic package. It has curved and time-variable projection trajectory recovery and compensation algorithms built into the device's fold area. The device's touch IC offers the lowest standby power consumption for better design and use of ESG models, and it employs Elan Microelectronics' AI algorithms for better customized features and enhanced product competitiveness.

Product Feature

- Using AI edge computing technology to support large-size, foldable NB, solving the problem of foldable 17.3" large-size OLED touch panel up to 800pF load and high noise , and supporting active pen stroke prediction to enhance the smoothness of the writing experience.
- Supports the palm rejection and waterproof feature.
- Supports Google USI, MSFT MPP and Wacom AES.
- Intelligent power management with dynamic control for the lowest standby and operating power consumption in the market.

Category Award

AIoT Application Server

PLANET Technology Corporation
普萊德科技股份有限公司

Company Website

Winning Reason

The PLANET AIoT Application Server (NMS-AIoT) is an innovative industrial edge computing AI smart management platform. It can receive data from both wired and wireless IoT sensor devices, including LoRa, Wi-Fi HaLow, and Modbus, to increase reliability by 50%. Its intelligent dashboard provides real-time analysis of sensor data and carbon reductions, boosting efficiency by 50%. Designed with low-energy components and energy-saving chips, it is managed by a user-friendly application. Perfect for vertical markets integrating secure AI private cloud networks.

Product Feature

- A unified platform integrating LoRa, Wi-Fi HaLow, Modbus, and more, boosting energy efficiency and increasing reliability by 50%.
- Intelligent dashboard with real-time analysis of sensor data and carbon reduction. Increase efficiency by 50%.
- Map display sensor locations.
- 24-hour real-time notification.
- Secure QR code log-in.
- Easy set-up process.
- Software update support.
- Support private and PLANET cloud platform.

https://bcaward.computex.biz/

Category Award

ASUS AirVision M1

/ISUS
IN SEARCH OF INCREDIBLE

Asustek Computer Inc.
華碩電腦股份有限公司

[Company Website](#)

Winning Reason

ASUS's AirVision M1 comes onto the portable display market boasting a light frame, high resolution, and compatibility with computers, phones, and gaming consoles. Anytime you need a big display, this head-mounted device can provide, business or leisure. It has 0.49-inch Micro OLED screens and FreeForm lenses with up to 60% transparency, which display clear high-resolution images without obscuring the real world beyond. When coupled with a computer, users can freely choose the number, position, and size ratio of displays needed, and the device comes with digital eye distance adjustment and head tracking technology. The future is now, and it's functional.

Product Feature

- A productivity tool designed for digital nomads.
- Generate multiple virtual screens that users can customize to their needs, including screen ratio, screen distance, brightness and also allowing users to pin these screens.
- High-transparency optical lens (60% transmittance), allowing users to clearly see their surroundings.
- High wearing comfort: The product design has undergone extensive human engineering testing to provide comfortable wearing experience.

Category Award

ASUS VU Nano-ion Series Monitor

IN SEARCH OF INCREDIBLE

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

The standout feature of this display is how it integrates a negative ion air module (Nano-ion) with an everyday screen to provide fresh air for the user for a healthier, more efficient work environment. The device is equipped with an ambient light sensor to automatically adjust screen brightness, saving energy while reducing eye strain. Made from eco-friendly materials, like a mercury-free panel, 85% post-consumer recycled (PCR) plastic, and 100% paper packaging, this display has multiple environmental sustainability certifications. Designed with a sleek profile and a height-adjustable power management clip, the addition of this device to any workspace will leave it tidier and more organized.

Product Feature

- Nano-ion generate to enhance air quality and promote healthy.
- 100% recyclable paper packaging with FSC Mix certified.
- Target to adopt PCR-Plastic 85%, PCB Halogen free and get EPEAT Gold and TCO 9.
- Energy Star 8.0 compliance and a shortcut bottom for Energy Saving, and alight sensor is included to reduce the waste of energy.
- 3 height options (71mm, 96mm, 121mm) and support VESA wall mount.
- ASUS DisplayWidget Center lets users easily change monitor settings via an intuitive interface.

Category Award

Automotive AI Audio DSP

REALTEK

Realtek Semiconductor Corp.
瑞昱半導體股份有限公司

Company Website

Winning Reason

This device has AI two-way noise cancellation technology to ensure a superior voice call experience. With a graphical sound effect algorithm development kit, this offering by Realtek allows clients to create brand-specific sound features for their products. The continuous development of AI audio algorithms allows for an expansion into novel applications such as police siren detection and the fusion of audio and visuals. Its applicability to ADAS systems promises further improvements in driving safety.

Product Feature

The ALC5575, developed by Realtek Semiconductor, is an industry-leading DSP with an embedded self-developed Neural Network Processing Unit (NPU). It boasts computing capabilities and supports various AI audio algorithms for automotive applications. These include 2-way AI noise suppression and target speaker tracking for calls, a graphic audio effect design tool for music playback, multi zone voice recognition for in-car voice control, and emergency siren sound detection to enhance driver safety.

Category Award

Claw Gaming Handheld

msi

Micro-Star International
微星科技股份有限公司

[Company Website](#)

Winning Reason

Esports platforms have been moving toward Windows gaming handhelds in recent years with their ability to access 3A games at a moment's notice. The MSI Claw is the first mobile gamer with Intel's new 16-core processor for long-lasting high performance on the go. The grips are ergonomically design for comfort while the Hall Effect analog joysticks and triggers for drift-free fun. The device's revolutionary intraflow internal cooling system ensures long-lasting high performance and comfort for the user. The Claw comes with its exclusive App Player offering games and apps across both Windows and Android platforms.

Product Feature

- MSI Claw comes with the latest Intel Core Ultra 7 processor.
- The Claw has the biggest battery, 53Whr, which is 50% longer-duration among our peers.
- MSI Claw's revolutionary intraflow thermal design redirects parts of the airflow to also cool the internals.
- MSI Center M provides a dedicated interface designed for handheld devices.
- Thunderbolt 4 enables rapid data transfer and enhances the Claw's functionality with docking and connectivity for monitors, external graphics cards, and more.

https://bcaward.computex.biz/

Category Award

DLC (Direct Liquid Cooling) Plug - And-Play Rack Solution

SUPERMICRO®

Super Micro Computer, Inc.
美超微電腦股份有限公司

Company Website

Winning Reason

As the need for AI computing increases, a critical factor to system operability will be the energy consumption of servers. Liquid cooling systems are much more effective than air-cooled ones, reaching a COP up to 20, a huge increase over conventional systems with a COP of about 5. The exhaust is also much hotter than air-cooled systems, providing a convenient and sustainable source of heat at higher latitudes while reduce energy demands and carbon emissions. Its modular design is convenient for maintenance and warranty services while also extending the lifespan of the product.

Product Feature

- 1 stop shop.
- Plug and Play.
- Fully redundant.
- highest rack capacity.
- very high uptime.
- fully integrated with DC management software.

https://bcaward.computex.biz/

Category Award

Full IP69K Waterproof Stainless Steel Box PC

Wincomm Corporation
中美萬泰科技股份有限公司

[Company Website](#)

Winning Reason

The WTC-9H0W is a high-efficiency, waterproof, and fanless rugged computer system that uses a 12th gen. Intel CPU. It can withstand a wide range of temperatures and pressures with a unique heat dissipation design. It's precision IP66 waterproofing technology is a leader in the application design and IP industry. It has already expanded into Southeast Asia's factories with harsh environments such as food, meat, chemical, and pharmaceutical production. This product shows great potential and value.

Product Feature

- Intel® Alder Lake Core i7/i5 Processor.
- Low Power Fanless Waterproof Box PC.
- Sealed with Anti-Corrosion Stainless Steel Enclosure.
- Wide Range DC Input 12~28V.
- Wide Operation Temp. -20~60℃.
- Optional M12 Stainless/Metal Connectors.
- Optional Cable Gland for External I.O.
- Optional WLAN w/ External Antenna.
- CE, FCC, VCCI Class A Certified*Support Windows 11 & TPM.

https://bcaward.computex.biz/

Category Award

GPU AI/HPC Server with liquid Cooling Solutions

SUPERMICRO®

Super Micro Computer, Inc.
美超微電腦股份有限公司

Company Website

Winning Reason

Super Micro has successfully deployed liquid cooling technology to improve the efficiency of data centers, enabling operations with lower PUE for a 40% reduction in overall power expenditure, a 55% reduction in server noise, and an 89% reduction in power costs for server cooling infrastructure. As a result, OPEX can be reduced by up to 40%, allowing data center operators to deploy the latest and most efficient CPUs and GPUs.

Product Feature

- The system optimized for: Large scale Deep Learning/Generative AI & Large Language Model Training/AI-fused HPC applications/Industrial Automation/Business Intelligence & Analytics.
- Dual socket, AMD EPYC 9004 series processors.
- High density 4U system with Nvidia HGX H100 8x GPU (8x NVMe for GPU direct storage/8x NIC for GPU direct RDMA).
- 24x DIMM slots up to 6TB 4800 ECC DDR5.
- 8x PCIe 5.0x16LP.

https://bcaward.computex.biz/

Category Award

Medical Point of Care and Mobile Cart. Computing Solution

Wincomm

Wincomm Corporation
中美萬泰科技股份有限公司

Company Website

Winning Reason

This offering by Wincomm is the ultimate in mobile medical cart computing solutions. Designed specifically for the medical market, it simplifies multiple devices into one unit to reduce messy, unmanageable wiring. The cart has almost no exposed cables, with a modular closed-top UPS that can be quickly switched out for a flexible power supply of up to 30W for external devices. It has a proprietary antibacterial casing with effective bacterial control up to 95%, a patented hot key touch screen, supports low latency 4K high resolution imaging input/output, can remotely deploy OS systems, and has firmware setting and modification functions.

Product Feature

- Mobile Intel® 12th Gen (Alder Lake U) Core i CPU.
- Power Supply Inside.
- Medical Latest EN 60601-1 & 60601-1-2 Certifications.
- 21.5" / 23.8" FHD AHVA Diagnostic Panel.
- Optional Hot-Swappable Batteries X3.
- Fanless Design with Reliable Thermal Solution.
- Anti-bacteria Treatment Housing.
- Optional 4KV Isolated 1X LAN, 1 X COM module.
- PCIex4 Expansion Slot.
- Light Sensor for Auto Dimming Solution.
- Optional 30 Watts Power Output for External Devices.
- Single Sign On for RFID.
- BIOS Setting Update.
- Video In.

Category Award

Modern AM273Q Series

msi

Micro-Star International
微星科技股份有限公司

Winning Reason

No desk space is wasted with this all-in-one computer. With a screen comparable in size to traditional monitors, it has high-speed Thunderbolt 4 ports and two HDMI outputs to allow for a maximum of four displays. It also supports HDMI input to transform the computer into an external monitor. Its multiple high-speed USB ports and 2.5Gbps high-speed network provide high performance and comprehensive expandability. With a built-in card reader and easy storage expansion, the user is sure never to run out of storage on the Modern AM273. This is easily one of most well-rounded all-in-one computers on the market.

Product Feature

- 27" IPS 2560x1440 (WQHD) with MSI EyesErgo Technology.
- 2x Thunderbolt™ 4 and 2x HDMI™-out to support 4-Display.
- A Type C with DP Alt. input and HDMI™-in make the monitor mode active.
- Built-in Retractable FHD Webcam.
- Optimized user experience with MSI AI Engine.
- Power Meter enables one-click power saving, carbon emission calculation, and electricity cost estimation.
- Made with PCR-recycled plastics.
- FSC™-certified carton material.
- 100% recyclable recycled molded pulp.
- EPEAT Silver and Energy Star.

Category Award

MSI GeForce RTX™ 4090 24G SUPRIM FUZION

msi

Micro-Star International
微星科技股份有限公司

Company Website

Winning Reason

The philosophy driving this design can be summed up as "out with the old, in with the new," as this latest in liquid cooling technology fits everything into a compact, all-in-one solution without the need for a bulky external radiator. It has a customized PCB, hybrid liquid cooling system, and an air-cooled cover with fan to deliver a 15% boost in performance compared to conventional air cooling tech. With 90% shorter pipes compared to traditional liquid cooling designs, it gains 10% in thrust, while its sealed all-in-one body eliminates the need for refilling or changing the coolant and ongoing maintenance. This innovative design combines the compact size of an air-cooled graphics card with the unparalleled performance of liquid cooling.

Product Feature

- Equipped with NVIDIA GeForce RTX™ 4090 GPU.
- Low-profile pump design allows more clearance for airflow.
- Unique grooved fan blades reduce vibrations and noise.
- Microfin copper base assists in memory and GPU cooling.
- Concealed liquid cooling hides radiators and pipelines within the graphics card.
- Special leak-proof design.
- Cooling section fins are denser, while heat dissipation section fins are sparser. Some fins are welded onto the flat tube surface for additional heat exchange.

Category Award

MuseTree

ASUS
IN SEARCH OF INCREDIBLE

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

MuseTree is an all-in-one inspiration generation and management platform. It integrates AI into design, transforming workflows and fostering collaboration. It revolutionizes the creative process by merging AI with sketching, speeding up ideation and exploration.
Users get their creative juices flowing with the inspiration mapping tool, put it all together with the AI-driven inspiration canvas feature, and manage their creative ideas for future projects with a personalized inspiration asset library.

Product Feature

- MuseTree seamlessly integrates into creative workflows, offering endless inspiration through AI technology. Instantly generated designs from hand-drawn sketches enable rapid idea application. The offline inspiration generation enhances efficiency and richness in exploration.
- MuseTree accelerates inspiration integration, offering a comprehensive solution for managing and transforming creative ideas.

https://bcaward.computex.biz/

Category Award

NVIDIA GH200 Grace Hopper Superchip

NVIDIA Corporation

香港商輝達香港控股有限公司台灣分公司

Company Website

Winning Reason

The NVIDIA GH200 Grace Hopper Superchip is ideal for CPU-, GPU-, or memory-dense computing applications, providing the best in performance with up to 50 times better energy efficiency. Its CPU+GPU coherent memory model allows for high-performance computing, and enterprise and cloud applications. With up to 350 ExaFLOPs of AI computing power, this solution is optimized for accelerating scientific discovery under a range of workload conditions.

Product Feature

The NVIDIA GH200 Grace Hopper Superchip, which combines the NVIDIA Grace™ and Hopper™ architectures using NVIDIA® NVLink®-C2C to deliver a CPU+GPU coherent memory model, is a breakthrough processor designed from the ground up for giant-scale AI and high-performance computing (HPC) applications. The superchip delivers up to 10X higher performance for applications running terabytes of data, enabling scientists and researchers to reach unprecedented solutions for the world's most complex problems.

Category Award

NVIDIA Spectrum-X AI Ethernet Networking Platform

NVIDIA Corporation
香港商輝達香港控股有限公司台灣分公司

[Company Website](#)

Winning Reason

This Ethernet platform was designed solely for AI with excellent performance and the highest zero-risk rapid realization of ROI on AI investments. It delivers the best in AI performance via accelerated hardware, SDKs, and network software tools all optimized for cloud AI workloads to accelerate AI model training in even the noisiest cloud networks.

Product Feature

A revolutionary solution for building multi-tenant, hyperscale AI clouds with Ethernet. With it, organizations can significantly improve the performance and power efficiency of AI clouds and gain higher predictability and consistency.

- Nearly Perfect Bandwidth at Scale.
- Extremely Low Latency.
- End-to-End Stack Optimization.
- Advanced RoCE Extensions for Scalable AI Communications.
- Deterministic Performance and Performance Isolation.
- Open Network Operating System: SONiC and Cumulus.

https://bcaward.computex.biz/

Category Award

PCIe Gen4 x4 Automotive SSD Controller

SiliconMotion

Silicon Motion, Inc.
慧榮科技股份有限公司

[Company Website](#)

Winning Reason

The SM2264XT-AT is a PCIe Gen4 NVMe SSD controller chip specifically designed for automotive applications, providing outstanding performance and reliability for next-gen centralized computing and ADAS/autonomous driving systems. It comes with a quad core ARM R8 CPU, four PCIe 16Gb/s databuses, and built-in SR-IOV capability, supporting up to eight virtual machines (VM). Together these features make this chip optimal for vehicular electronics systems requiring centralized storage.

Product Feature

- PCIe Gen4 x4 interface.
- 8 NAND channels up to 1,600 MT/s for fast data.
- transfer.
- Built-in SR-IOV Capability for Automotive Storage: Supports up to 8 virtual functions for enhanced software functionality and resource utilization.
- Self-encrypting drive with AES 128/256 and TCG Opal for data security.
- Data retention extension with 7th generation.
- NANDXtend.
- AEC-Q100 Grades 2/3 compliance.
- Compliance with the ISO26262 ASIL-B functional.
- safety standards.
- ISO21434 Cyber Security compliance.

Category Award

Predator Z57 MiniLED Gaming Monitor

acer

Acer Incorporated
宏碁股份有限公司

Company Website

Winning Reason

Acer's Predator Z57 MiniLED gaming monitor comes with a huge 57-inch MiniLED display that lays claim to the highest resolution on the market at 7680x2160 pixels. It supports two high-refresh-rate modes: a high-resolution 120Hz display and a 240Hz esports gaming mode to meet the wide range in demands from gaming, esports, and content creation. With 2,304 MiniLED dimming zones, it can stretch from 400-nit to 1,000-nit peak brightness. The display complies with the VESA DisplayHDR 1000 standard and can reproduce 98% of the DCI-P3 color gamut. It supports a range of input interfaces including HDMI, DP, and Type C. The 32:9 ratio screen is designed with a 1000R curvature to deliver the best viewing experience.

Product Feature

Venture into the neon-tinged horizons of the digital realm with the Predator Z57's 57" curved MiniLED display. It offers unparalleled DUHD (7680x2160) resolution powered by 2304-zone MiniLED local dimming. Armed with VESA DisplayHDR™ 1000 and DCI-P3 98%, the Predator Z57 paints your screen with colors so vivid they feel alive. The 1000R curvature and panoramic 32:9 aspect ratio allow you to step into a world that envelopes your senses.

https://bcaward.computex.biz/

Category Award

ProArt P16

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

ASUS is back with the latest edition of its laptop brand designed specially for creators and widely acclaimed by video and audio specialists — the ProArt P16. By integrating AI technology, the device gives creators the tools necessary to go where no one has gone before and tell the most meaningful stories possible. AI's addition to solutions for video capture, editing, sharing, and content creation coupled with greater post-pandemic demand for travel creation gives rise to opportunities in the market that this laptop can take advantage of with its optimal combination of hardware and software. It truly merits recognition as one of the best creator laptops in the world this year.

Product Feature

- The ProArt P16 has many features suitable for creation. Being thin, light, and portable with powerful performance, as well as OLED touchscreen, ASUS DialPad, and NVIDIA® GeForce RTX™ 4070 graphics raise the bar for content creation experiences.
- The ProArt P16 offers a neutral and professional aesthetic. Thin and light all-metal body reflects a solid boutique appearance. Polished lid surface offers a premium impression. CNC unibody aluminum chassis shaves weight while maintaining rigidity.

https://bcaward.computex.biz/

Category Award

ROG Ally (2023)

ASUS
IN SEARCH OF INCREDIBLE

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

ASUS's ROG Ally high-performance handheld gaming device comes packed with features, a custom high-performance AMD processor, and graphics chip. Running on Windows, it gives the player access to all of 3A's masterpieces anytime, anywhere. The device has been designed with custom software that can instantly toggle the front-end game launcher or adjust device settings including image quality and power consumption. The device offers three performance modes—10W/20W/25W—for different game genres, with a fourth max performance mode of 30W when plugged into an external power source. This handheld gaming platform was designed with an optimal balance of power saving and performance, making it the most powerful lightweight mobile game device on the market.

Product Feature

ROG Ally ensures gaming compatibility across multiple platforms. Ally features an AMD Ryzen™ Z1 Extreme APU for high framerates. Ally boasts dual fans for efficient cooling and minimal noise, ensuring an experience to game anywhere.

https://bcaward.computex.biz/

Category Award

ROG Zephyrus G16

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

ASUS has achieved the impossible with its perfect balance of a powerful high-performance machine packed into a lightweight thin design. The ROG Zephyrus G16 comes with Intel's Core Ultra 9 and RTX 4090 in a device weighing only 1.85kg and measuring just 1.49cm thick. High-performance gaming, content creation, business, or casual use—this well-rounded laptop can do it all.

Product Feature

- Ultra slim 1.49cm 1.85kg 16" premium aluminum chassis.
- Up to an Intel® Core™ Ultra 9 processor 185H and an NVIDIA® GeForce RTX™ 4090 Laptop GPU.
- 16:10 ROG Nebula 2.5K 240Hz/0.2ms OLED display, with HDR support and color accuracy of ΔE <1.

https://bcaward.computex.biz/

Category Award

Streaming Center

AVerMedia Technologies, Inc.
圓剛科技股份有限公司

Company Website

Winning Reason

AverMedia wants to help content creators stream smarter, not harder. This device works to that end by harnessing the power of AI to strip away any background and seamlessly replace it without the need for a professional studio or green screen. The AI engine can easily generate video outlines and intelligently slice videos down to a manageable size for short content platforms, accelerating production time while maintaining video quality. The noise reduction feature can pinpoint and remove messy sounds to ensure peak audio quality. Such a comprehensive integration of software and hardware can only be found here in this live streaming hub for creators and broadcasters, bringing together AI functionality and professional color grading all in an easy-to-use interface.

Product Feature

- A versatile streaming hub designed for streaming and recording.
- One-stop hardware and software integration, centralizing control over all streaming devices.
- Intuitive interface and powerful layout editing.
- AI Virtual Background precisely removes background details.
- AI Summary quickly generates video outlines and highlight clips.
- Intelligent Noise Detection and Reduction.
- Professional-grade Color Editing delivers true-to-life colors.
- Supports both landscape and portrait orientations.

Category Award

Wi-Fi 7 4x5 Single-Chip Solution

REALTEK

Realtek Semiconductor Corp.
瑞昱半導體股份有限公司

Company Website

Winning Reason

The Wi-Fi 7 4x5 wireless chip (RTL8934AR) with 4T5R effectively increases wireless signal coverage while supporting IEEE standard capabilities such as 802.11az Wi-Fi locating and 802.11bf Wi-Fi sensing. The single chip design features self-developed multiple green channel technology utilizing an AI identification engine to allocate the most suitable Wi-Fi channel based on client needs. Clients will find this the most effective method for product development that also reduces costs while increasing competitiveness.

Product Feature

The RTL8934AR supports the latest Wi-Fi 7 standard (IEEE 802.11be). In addition to continuing Wi-Fi 6E to support the new 6GHz frequency band, and providing a cleaner connection environment for connected devices, the RTL8934AR has 4T5R features that can effectively expand wireless signals and increase wireless network coverage to improve the quality of long-range connections.

Category Award

ZenScreen Fold OLED MQ17QH

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

ASUS's newest ZenScreen device is the world's first foldable OLED portable monitor. It features a unique waterdrop hinge that expands the screen from 12.5 to 17.3 inches and an embedded stand with an auto-rotate function between landscape and portrait orientations. This versatility and multi-screen functionality allow business professionals to give face-to-face presentations on the go for higher work efficiency, while also offering greater convenience for entertainment and everyday use. With its sleek design, this highly portable device not only saves office space, but it also looks great doing it.

Product Feature

- The world's first 17.3-inch OLED foldable monitor, 12.5-inch when folded.
- 100% DCI-P3 and VESA DisplayHDR™ True Black 500 compliance for true-to-life color.
- Waterdrop-style hinge designed allows for a seamless no-gap display.
- Lightweight for easy storage, portability.
- Standard tripod socket and built-in kickstand adapts to various setups, providing stability for work and play.
- Compatibility with mini HDMI® (x 1), full-function USB Type-C® (x 2), and headphone output jack (x 1) .

Category Award

**ZOTAC ZBOX EGB AD3500
External GPU Box**

ZOTAC®

**Zotac Technology Limited
索泰科技有限公司**

Company Website

Winning Reason

The minimalist and sleek design makes this device ideal for professional settings, while its compact profile and lightweight body (only 2.67 liters) can transform any laptop or mini PC into a portable workstation. The unit is powerful enough to enhance low-end or older computers into AI-capable, high-performance devices that reduces rendering times while also improve cost-effectiveness and overall work efficiency.

Product Feature

- The ZOTAC ZBOX AD3500 External GPU allows users to easily boost graphical performance over Thunderbolt 3. Run GPU-intensive Apps and AI inference faster, or shared between team members for an agile graphical solution.
- The design is a of an industrial aesthetic, with a professional-grade NVIDIA RTX 3500 Ada generation MXM GPU housed within. The device is also capable of output up to 3 displays simultaneously, boosting user productivity.

https://bcaward.computex.biz/

Sustainable Tech Special Award

AIoT Application Server

PLANET Networking & Communication

PLANET Technology Corporation
普萊德科技股份有限公司

[Company Website](#)

Winning Reason

Introducing energy management to your business is easier than ever with this innovative solution that brings together environmental monitoring sensors, servers, and display managers into one system that can reduce the need and cost of headcount while enhancing cybersecurity capabilities. This is a practical solution for the modern world, helping push industries to make the transition to net-zero emissions.

Product Feature

- A unified platform integrating LoRa, Wi-Fi HaLow, Modbus, and more, boosting energy efficiency and increasing reliability by 50%.
- Intelligent dashboard with real-time analysis of sensor data and carbon reduction. Increase efficiency by 50%.
- Map display sensor locations.
- 24-hour real-time notification.
- Secure QR code log-in.
- Easy set-up process.
- Software update support.
- Support private and PLANET cloud platform.

https://bcaward.computex.biz/

Sustainable Tech Special Award

ASUS AirVision M1

ASUS
IN SEARCH OF INCREDIBLE

Asustek Computer Inc.
華碩電腦股份有限公司

Company Website

Winning Reason

This innovative solution uses micro displays in place of larger ones to effectively reduce the energy demand while also making the device small enough for easy storage and portability to suit the needs of modern living. The designers kept the user in mind, creating a product suitable for a wide range of usage scenarios while also being comfortable to wear and easy on the eyes with high visual clarity all in one sustainable, power-saving device.

Product Feature

- A productivity tool designed for digital nomads.
- Generate multiple virtual screens that users can customize to their needs, including screen ratio, screen distance, brightness and also allowing users to pin these screens.
- High-transparency optical lens (60% transmittance), allowing users to clearly see their surroundings.
- High wearing comfort: The product design has undergone extensive human engineering testing to provide comfortable wearing experience.

https://bcaward.computex.biz/

Sustainable Tech Special Award

Cubi NUC Series

msi

Micro-Star International
微星科技股份有限公司

Company Website

Winning Reason

Sustainability throughout the product lifecycle was top of mind when MSI designed its Cubi NUC. It's made with 92% renewable energy and rPET eco-friendly materials and packaged in FSC-certified paper. While in use, the one-click power-saving function and energy cost calculator make the energy-saving process transparent and easy to grasp. The product manual can be accessed via QR code to save paper. And last but not least, MSI has planned lease business models in the U.S. and Germany to facilitate the circular economy by promoting ease of material recycling and reuse.

Product Feature

- 0.826-Liter with VESA mountable design.
- The MSI exclusive software, Power Meter, enables one-click power saving, carbon emission calculation, and electricity cost estimation.
- Made with PCR-recycled plastics.
- FSC™-certified carton material.
- Waste reduction with recycled molded pulp (100% recyclable).
- Made with 92% Renewable Energy at the factory.
- EPEAT Verified - EPEAT Silver and Energy Star Certified.

https://bcaward.computex.biz/

Sustainable Tech Special Award

DLC (Direct Liquid Cooling) Plug - And-Play Rack Solution

SUPERMICR®

Super Micro Computer, Inc.
美超微電腦股份有限公司

Company Website

Winning Reason

As the need for AI computing increases, a critical factor to system operability will be the energy consumption of servers. Liquid cooling systems are much more effective than air-cooled ones, reaching a COP up to 20, a huge increase over conventional systems with a COP of about 5. The exhaust is also much hotter than air-cooled systems, providing a convenient and sustainable source of heat at higher latitudes while reduce energy demands and carbon emissions. Its modular design is convenient for maintenance and warranty services while also extending the lifespan of the product.

Product Feature

- 1 stop shop.
- Plug and Play.
- Fully redundant.
- highest rack capacity.
- very high uptime.
- fully integrated with DC management software.

https://bcaward.computex.biz/

Sustainable Tech Special Award

ECO-1000 Supercapacitor UPS

C&T Solution Inc.
智愛科技股份有限公司

Company Website

Winning Reason

These UPS modules are made with industrial-grade supercapacitors instead of batteries, greatly reducing the use and emission of harmful materials. The high efficiency of the supercapacitors means a lower overall carbon footprint, while the capacitors themselves are made from eco-friendly, natural plant-based carbon. Conventional battery-powered UPS modules have a lifespan of about 3-6 years, which goes up to over 10 years for supercapacitor-powered modules. And these modules are safer as well, as the supercapacitors have superior chemical and thermal stability to greatly reduce the risk of leaks and explosions.

Product Feature

- 8x/16x 370 Farads Industrial Supercapacitor.
- Maximum up to 200W power output.
- 1x COM, 1x USB for GUI Remote Management.
- 2 IN / 2 OUT DIO.
- -25°C to 55°C extended operating temperature.
- EMC Conformity with EN50155, EN50121-3-2 Certification.
- Universal standalone power backup module compatible with all box-PCs & Panel PC.
- Ignition control mode for standard box-PC and in-vehicle controller.

Sustainable Tech Special Award

Framework Laptop 16

framework

Framework Computer Inc
美商豐沃電腦股份有限公司

[Company Website](#)

Winning Reason

Sustainable computing is the name of the game with the Framework Laptop 16. This high-performance device comes with upgradeable, modular components that can be swapped out for easy repairs and recycling as part of the circular economy. All the form factor dimensions comply with industry standards to ensure compatibility with existing components and maximum customizability for the user. This device proves that sustainable and practical go hand in hand.

Product Feature

The Framework Laptop 16 is designed to focus on upgradeability, repairability, and personalization. Except for the ability to replace core and essential modules, the Expansion Bay system enables the upgradeability of high-performance graphics. The Input Module system enables the personalization of the full input deck. The Expansion Card system, allows the end user to select the ports they want. All of this is within a thin, light, Mg-Al chassis that maximizes the use of recycled materials.

https://bcaward.computex.biz/