

## Low Power AI IP Camera SoC (RTS3916N)



**Realtek Semiconductor Corp.**

瑞昱半導體股份有限公司

[Company Website](#)



### Winning Reason

- Integrates several IP developments, including the company's own ISP technology, audio processing algorithms and AI algorithms. With this product, there's no need to incorporate chips from other companies or third-party AI algorithms.

### Product Feature

- High system integration
- Advanced 4th generation ISP engine
- Highly-efficient video coding
- Supports AI encoding to save transmission bandwidth
- Industry's lowest power consumption with AI function (< 800mW)
- Realtek in-house AI algorithms with human/face/vehicle/skeleton detection models
- Realtek in-house AEC/NS for clear two-way audio communication

<https://bcaward.computex.biz/>

## AI Server with Liquid Cooling Solutions/SYS-420GP-TNAR series



**Super Micro Computer, Inc.**

美超微電腦股份有限公司

[Company Website](#)



### Winning Reason

- Technical innovation based on a high functioning and highly efficient server. A product series that provides all types of customized solutions, it's use cases range from air conditioning to liquid cooling. GPU memory ranges from 40-80GB with a power supply of 2200-3000W.

### Product Feature

- Best GPU Servers for Modern Data Centers. The Most Comprehensive AI Systems Featuring the Latest NVIDIA Ampere based GPU Platforms
- State-of-the-art AI/Deep learning/High performance Computing GPU server with the highest computational capabilities in the world
- Best PUE 1.1x(Power Usage Effectiveness) performance for Commercial Deployment cases
- 4U Dual Processor(3rd Gen Intel® Xeon®)GPU System with NVIDIA HGX A100 8-GPU 40GB/80GB, NVLink, NVSwitch, Redundant 3000W Titanium Level Power Supplies

<https://bcaward.computex.biz/>

## MEG Aegis Ti5 - Gaming Desktop



**Micro-Star International**

微星科技股份有限公司

[Company Website](#)

### Winning Reason

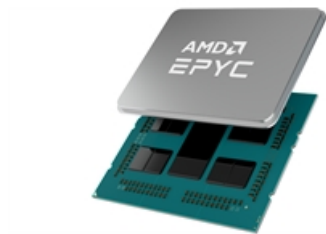
- Uses an exclusively developed 4th gen. Silent Storm Cooling system and independent cold chamber cooling design. Pairing Thunderbolt 4 and 2.5G with a WiFi 6E transmission for a lag-free gaming experience.
- Uniquely futuristic design equipped with an Intel Core i9-11900K processor. With a clock speed reaching 5.3GHz, multitasking is a breeze.
- Jump right into a game with the never-before-seen gaming dial. System functions can be changed via the gaming dial, allowing gamers to freely switch between settings.

### Product Feature

- Up to 11th Generation Intel® Core™ i9 11900K processor
- Up to MSI GeForce RTX™ 3090 Graphics card
- Gaming Dial- Quickly and intuitively harness this gaming beast
- Silent Storm Cooling 4 - Excellent heat dissipation design to ensure smooth operation of the game visuals
- Thunderbolt 4, 8X transmission speed transfers game data in the blink of an eye
- 2.5G + 1G Dual LAN - None delaying gaming experience
- WiFi 6E Technology wireless gaming with wired quality
- MSI Mystic Light Customize your gaming color

<https://bcaward.computex.biz/>

## AMD EPYC™ 7763 Processor



### AMD FAR EAST LTD., TAIWAN BRANCH

美商超微半導體股份有限公司  
台灣分公司

[Company Website](#)

### Winning Reason

- With a new generation ZEN3 framework, an 8-core CPU to split the memory data load, and high speeds, this is currently the most high performance x86 server CPU.

### Product Feature

- AMD EPYC™ 7763 is the world's highest-performing server processor. It extends per socket and per core performance leadership with 64 "Zen 3" cores, new levels of per-core cache memory, PCIe 4 connectivity, class-leading memory bandwidth and advanced security features. AMD EPYC™ processors currently hold 220 world records across cloud, enterprise and HPC workloads and applications.

<https://bcaward.computex.biz/>

## Creator P50 Content Creation Desktop



**Micro-Star International**  
微星科技股份有限公司

[Company Website](#)

### Winning Reason

- This patented product has high functionality, a stylish design, is uniquely innovative, and has a compact body. All together, this amounts to excellent market competitiveness.

### Product Feature

- MSI Creator P50 was inspired by the wireframe modeling made by creators, the pattern of this 4.72 liters chassis reflects a creator's growth & transformation. It is a professional, clean & stylish creativity center.
- Exclusive App: MSI Center & Creator OSD can easily customize & optimize the performance of P50 and MSI monitor with "one-click" or by AI.
- Exclusive Hybrid Composite Thermal Module and Patented TORX fan with independent chambers for CPU & GPU to provide the best thermal solution

<https://bcaward.computex.biz/>

## ASRock Z590 Taichi



**ASRock Inc.**

華擎科技股份有限公司

[Company Website](#)



## Winning Reason

- Killer DoubleShot Pro allows the user to simultaneously use both wired and wireless network interfaces, while the Prioritization Engine automatically differentiates and gives different levels of priority to different procedures to ensure the most stable internet interface and lowest latency internet experience.
- Exclusive Lightning Gaming Ports and independent signal control wires for separate control of the mouse and keyboard solves the issue of mouse function being restricted by the motherboard.
- Depending on user needs, MOS cooling fans can be upgraded from the bundled 3cm fans to 4cm fans for greater heat dissipation.

## Product Feature

- Lightning Gaming Ports: A new design gives the smoothest USB traffic and best gaming experience.
- KiLLER Networking: It allows a use of both Ethernet and Wi-Fi simultaneously, and prioritizes programs for optimal networking.
- Personalized MOS Fan: Users can freely bundle the attached fan or upgrade their own 4CM fan.
- Rotating Gear Design: Z590 Taichi is the first motherboard with motor-inside decorations, challenging users' stereotype about motherboard's decoration.

<https://bcaward.computex.biz/>

## InnoAGE SSD

The Innodisk logo consists of the word 'innodisk' in white lowercase letters on a red rectangular background, with a small red square above the 'd'.

**Innodisk Corporation**

宜鼎國際股份有限公司

[Company Website](#)

## Winning Reason

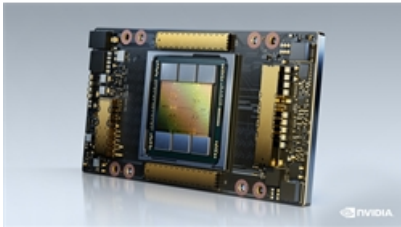
- Integrates the Azure Sphere suite MCU developed by Microsoft, carries out data collection via the Azure IoT Hub cloud service, and has in-band and out-of-band management for convenient error correction, system updates, data analysis, and AES encryption.
- Supports 2 types of internet interface: ethernet and Wi-Fi, providing an internet channel independent of the system itself for convenient connection with cloud services and support of out-of-band management. In addition, it synchronizes to provide the cloud service-based Azure management platform for InnoAGE, allowing the user remote control via a simple-to-use interface.

## Product Feature

- The World's first hybrid SSD with an Azure Sphere inside
- Encrypted End-to-end security from edge to cloud
- Full recovery by hardware level allows easy and simple development
- Supports both of in-band and out-of-band network management and diverse platforms
- Supports wireless 2.4/5GHz dual-band 802.11 a/b/g/n Wi-Fi
- Supports Ethernet

<https://bcaward.computex.biz/>

## NVIDIA A100



**nvidia®**

**NVIDIA Corporation**

香港商輝達香港控股有限公司

台灣分公司

[Company Website](https://www.nvidia.com)

## Winning Reason

- The 3rd gen. Tensor core helps improve deep learning abilities, is highly efficient at performing calculations, and is highly regarded by many consumers and experts. This product has great future market potential.

## Product Feature

- 3rd generation Tensor Cores - matrix multiply compute cores optimized for the highest AI and HPC performance
- Multi-Instance GPU (MIG) - securely partition a GPU into up to 7 instances to provide secure isolation and quality of service (QoS)
- Complete end-to-end stack with software and libraries to immediately deploy AI into production and democratize adoption across every enterprise
- Over 2,000 GPU accelerated applications and an ecosystem of 2.5 million developers and 7,500 startups

<https://bcaward.computex.biz/>



## **Automotive 1-Pair Ethernet Switch IC (RTL9075AAD/RTL9072AAD)**



**Realtek Semiconductor Corp.**

**瑞昱半導體股份有限公司**

[Company Website](#)



### **Winning Reason**

- The automotive market's first high integration solution designed for the Gigabit Ethernet Central Gateway. This product is resistant to electromagnetic interference, great for connecting with IC, innovative, and has excellent sales potential.

### **Product Feature**

- The RTL907x is the first automotive 15-port switch chip, the first to integrate a 2-Port GPHY, the first to integrate a PCIe SRIOV interface, and the first to support OPEN TC10 sleep/wake up. In addition to standard specifications, there are two things that car manufacturers are most concerned about in the introduction of Ethernet.

<https://bcaward.computex.biz/>

## AR Smart Glasses J7EF Plus



**Jorjin Technologies Inc.**

佐臻股份有限公司

[Company Website](#)



## Winning Reason

- Provides the ultimate in clear 2D/3D immersive imaging experiences, ultra-efficient 3D environmental detection and gesture recognition, while being light and comfortable to wear. This is the start of the new brain computing interface era, bringing about the integration and interaction of people, objects, smart IoT, and digital content information and is the most significant solution the digital business transformation.

## Product Feature

- Extremely clear 2D/3D immersive effect brings an incredible visual experience.
- Multiple sensors comprising a camera, a Time-of-Flight sensor (ToF) and an IMU support gestures recognition and head movements, which are true touch-less controls.
- Built in "AR Menu" provides a way to intuitively interact with 3 panels of multimedia information, including text, pictures, videos, animations, and 3D models that overlaid on the physical world surrounding the viewer.

<https://bcaward.computex.biz/>

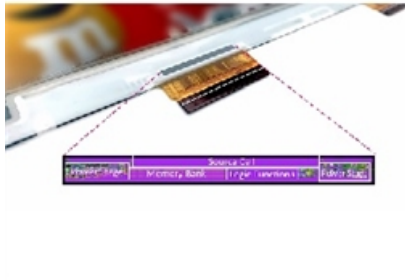
## E Ink Spectra 3100 All-in-One Driver IC



**E Ink Holdings Inc.**

元太科技工業股份有限公司

[Company Website](#)



### Winning Reason

- The first integrated chip that can support ePaper with black, white, red, and yellow pigments. Unique technology integrates TFT source/gate drivers and ePaper timing control.
- Can support 8-colored ePaper; has an image clarity enhancing algorithm for clearer, sharper images; is energy efficient; is excellent at interactive animation; and is very safe.

### Product Feature

- Sharper text. Sharper text-edge enhanced with E Ink image algorithm implemented on the IC.
- More power efficient. Using less power than the previous generations of driver IC.
- Data security. Encrypted E Ink specific algorithms prevent hacking during data transmission and ensures correct and vivid images to be displayed.
- Sparkling flashing mode, E Ink Sparkle, allows E Ink Spectra 3100 display to flash with eye-catching pattern. This offers more flexibility to retailers during promotion campaigns.

<https://bcaward.computex.biz/>

## Fusion Fall Detection Solutions



**CHIUN MAI COMMUNICATION  
SYSTEMS, INC.**

群邁通訊股份有限公司

[Company Website](#)



## Winning Reason

- Uses millimeter wave radar and AI algorithms to accurately analyze the position of a human body and detect whether or not a person has fallen. This information can then be transmitted in real-time to a cloud platform to alert the caretaker.
- Sensors can be installed on the ceilings of bathrooms or bedrooms where they can continuously monitor the safety and daily life of the inhabitants. Since the product doesn't use video cameras, infrared detectors, or wearable devices, it protects user privacy while also being suitable for use in low-light, steamy, or smoky areas.

## Product Feature

- mmWave Radar: capture point cloud data and analyze people's stance with AI machine learning model.
- Remote Sensing: no need for any wearable.
- Applications: fall detection, occupancy detection, on the bed/bed leaving, etc.
- High-Sensitivity: breath frequency detection.
- Maintain Privacy: No camera. Suitable for installation in sensitive areas.
- Anti-interference: workable in all lighting and environmental conditions.
- Cloud Platform: alerts sent to caregiver's mobiles & control center.

<https://bcaward.computex.biz/>

## EFR32xG21B SoCs with Secure Vault



**Silicon Laboratories Asia  
Pacific Limited, Taiwan branch**

香港商芯科實驗室亞太有限公司  
台灣分公司

[Company Website](https://siliconlabs.com)

## Winning Reason

- A product has been optimized with 2.4GHz wireless SoC, uses the company's own Secure Vault™ security technology, and is the world's first chip with ARM PSA level 3 certification. In addition, it has improved RF functionality and power saving via increased processing power, making it a highly functional and highly efficient IoT solution.

## Product Feature

- EFR32xG21B SoCs with Secure Vault is the first chip in the world to achieve Arm PSA Level 3 certification. Secure Vault features best-in-class security including secure boot based on hardware root of trust, secure debug, physical tamper, secure identity for attestation, and physically unclonable function (PUF) key management technology to significantly reduce the risk of IoT security breaches and compromised intellectual property.

<https://bcaward.computex.biz/>

## 2K Dual-camera Ultra HD Dashcam



### MiTAC Digital Technology Corporation

神達數位股份有限公司

[Company Website](#)



### Winning Reason

- Uses 2K ultra HD front and rear cameras and is the first to have continuous HDR video recording. Not only does this allow for more detailed mobile imaging, it also means important information won't be missed due to overexposure from strong lights.
- With continued expansion of its built-in Wi-Fi 5G, bluetooth, and smartphone APP integrations, this product is ahead of the competition when it comes to quick and smart backups, finding your car, mileage reports, speed camera warnings, and warnings for the latest local speed cameras and technical enforcements.

### Product Feature

- 2K WQHD Dual Camera Recording
- 2-Exposure Technology HDR
- 60fps
- 1 Second Fast Boot
- Support G-Sensor and Motion Detection Full Time Parking Mode
- 3" High Resolution IPS Display
- Built-in Wi-Fi 5 for Fast Downloading to Smartphone
- Built-in BT 5.0 for Find My Parked Car and Mileage Report Function
- Pre-Format Optimized File System to Implement SD Card Performance
- No Missing Footage, High Compatibility File Format MP4
- Display Auto Brightness
- New Driving Assist Alert with Speed Camera, Average Speed Cam

## XYZprinting PartPro120 xP 3D Printer



**XYZprinting Inc.,**  
三緯國際立體列印科技股份有限公司

[Company Website](https://www.xyzprinting.com)

### Winning Reason

- Uses the company's exclusive UFFTM technology and special printing materials; prints even faster based on 3D DLP technology; and produces high-quality prints with high-precision printing at 60 microns. This is another step towards making 3D mass manufacturing a reality.
- Suitable for use in a diverse range of fields including medical, aviation and aerospace, industrial, jewelry casting, and engineering design prototyping. The outstanding outer design, user interface, and specially developed professional software provide an elevated user experience.

### Product Feature

- Remarkably Fast Printing Speed-UFFTM Technology enables high resolution and high throughput 3D printing.
- Excellent Resolution and Surface Finish-With an X/Y resolution of 60 microns, the PartPro120 xP is an ideal platform for producing parts where perfect and smooth finishes are demanded.
- Intuitive Operation
- Multiple Engineering Resins-You can always find the right material for your application.
- Easy-to-use control interface. Ergonomic design and friendly user experience.

<https://bcaward.computex.biz/>

## CAMLIVE PRO 4K Video Capture Device



**ATEN INTERNATIONAL CO.,  
LTD.**

宏正自動科技股份有限公司

[Company Website](#)



## Winning Reason

- Easy-to-use controls with professional functionality.
- The user can switch between cameras or use picture-in-picture to stream right from the content. One person can easily control two cameras, switch scenes, and livestream professional content.
- Has video capture and switching and can convert professional 4K video cameras, mobile video cameras, or GoPro to HDMI signals to transmit streams from computers or mobile equipment.

## Product Feature

- All-in-one design – integrates video/audio mixer, dual 4K HDMI video switcher, video splitter, 1080P video capture, Bluetooth remote control app, and chroma keying
- Simplifies video production workflow – removes the learning curve required for operating multiple equipment and software
- Exclusive remote control APP with intuitive user interface allows users to easily add or change scene effects

<https://bcaward.computex.biz/>



## Live Streamer NEXUS



**AVerMedia**

**AVerMedia Technologies, Inc.**

圓剛科技股份有限公司

[Company Website](#)

### Winning Reason

- Can integrate all live streaming audio-visual software and hardware, and can preset keyboard shortcuts for seamless switching of image feeds. Has a beautiful design and functions to meet the needs of the market.
- A brand-exclusive dual audio mixer for simultaneous output of two audio mixes allows the live streamer and the audience to hear separate audio and provides the freedom to meet any mixing needs.

### Product Feature

- Live Streamer Nexus combines audio mixer and control panel functions so that the user can control different video and audio sources. The Nexus features display dialogs and hotkeys which can all customize on Nexus APP. With 6 tracks audio mixer, the Nexus can mix up 3 physical audio inputs and 3 digital audio tracks. In addition, the dual independent mix provides different audio experiences for creators and their audiences.

<https://bcaward.computex.biz/>

## 360° All Around Webcam

j5create



**KaiJet Technology  
International Corporation**  
凱捷國際科技股份有限公司

[Company Website](#)

## Winning Reason

- Excellent outer design, panorama video, and video software and hardware settings. With no blind spots, one device can do the work of several video cameras.
- Full HD video quality ensures that you always know who you're talking to, while the camera can focus in real-time on speakers at different locations for increased usability.

## Product Feature

- 360° video conferencing camera
- Built-in omnidirectional microphone
- Six display modes deliver exceptional viewing angles with flexibility and versatility
- Adjustable fields of view
- Full HD 1080p video playback @ 30 Hz
- USB™ UVC plug-and-play
- Touch bar to specify participants' location
- Built-in reverse feature to flip mirrored image
- Wide Compatibility: Zoom™, Facebook™ Messenger, Skype™, Microsoft Teams™, etc.

<https://bcaward.computex.biz/>

## Renewable Energy Management Controller



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

[Company Website](#)



### Winning Reason

- This green energy smart management system makes off-grid, real-time centralized remote management a reality. This human-based management system can help to maximize the use of renewable energy and bring about energy independence for remote areas such as national parks and off-grid medical centers. It can centrally manage up to 512 renewable energy PoE managed switches and 2048 IP cameras, has an interactive, round smart monitoring interface, provides real-time information on power status and network traffic, has historical data monitoring, and supports real-time adjustment of terminal PoE power usage.

### Product Feature

- World's first controller to integrate Green technology & PoE management
- Off-grid Real-time Centralized Remote Management
- Integrates SNMP, ONVIF, and MQTT protocols and PLANET Smart Discovery
- Auto discovery of 512 Renewable Energy PoE+ Switch & 2048 IP cameras
- Intuitive dashboard to monitor green power, battery status, network traffic, PoE usages & device status
- Event alert notification via e-mail
- Map view & monitor snapshot from IP cameras
- Supports PLANET DDNS & Easy DDNS
- RWD Design

<https://bcaward.computex.biz/>