

QCT Next Generation Central Office (NGCO) solution



Quanta Cloud Technology
雲達科技股份有限公司

[Company Website](#)

Booth No. TICC 101C

Winning Reason

- Employ an innovative open platform architecture with x86-based servers that integrates the virtualization technologies and telco network functions, for an optimized solution of next generation central office.
- Outstanding system performance from the Non-Uniform Memory Access (NUMA) balanced server design, Fixed & Mobile Convergence (FMC) software design, and multiple hardware acceleration solutions.
- Open API Platform for software-centric operator workloads.
- Control and User Plane Separation (CUPS) design for network management efficiency.

Product Feature

- NUMA balanced server design
- Optimized carrier-grade network function virtualization infrastructure (NFVI)
- Open API Platform for software-centric operator workloads
- Hardware accelerated virtualized evolved packet core (vEPC) and virtualized broadband network gateway (vBNG)
- Fixed & mobile convergence (FMC) software design
- Control and User Plane Separation (CUPS) design
- End-to-end service from UE to content services
- User friendly dashboard for operator data traffic and NFVI monitoring

100G Open Network Coherent Packet Transponder



E|d|g|e|-c|o|r|E
NETWORKS

**Edgecore Networks
Corporation**
鈺登科技股份有限公司

[Company Website](#)

Booth No. P0208

Winning Reason

- The open design Coherent packet transponder, with truly open hardware in different NOS and multiple choices of ACO/DCO modules. Collaborates with many of the leading Open Networking NOS vendors also the Open Source for to choose.
- Datacenter interconnect up to 600KM as of now with the real measurement. Service Providers are evaluating and POCs, including NTT communications, US Mega operators, EU carriers.

Product Feature

- Different NOS options: Support various open source software options including SONiC and commercial NOS options.
- Industry's first open network packet transponder.
- Long distance, Dense Wavelength Division Multiplexing (DWDM) technology with latest 200G capacities to extend inter-datacenter and Layer 3 services.
- Supports Ethernet and optical line cards with MACsec security to enable secure encrypted connections on both client-side links and metro or wide area connections.

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

8K Video Decoder and Processing IC (RTD2893)



Realtek Semiconductor Corp.

瑞昱半導體股份有限公司

[Company Website](#)

Booth No. T101A

Winning Reason

- The Realtek RTD2893 8K Video Decoder and Processing IC is well deserved for the Best Choice Award for its innovative product definition and positioning, which reflects a deep understanding of market and customer needs.
- Rather than just being yet another chipset for 8K TV, the RTD2893 is cleverly designed to be an easy 8K upgrade option for existing 4K TVs or set-top-boxes. Instead of developing a 8K TV or set-top-box from scratch, it takes only a minimal amount of firmware/ hardware modification to upgrade existing 4K systems into 8K by using RTD2893. This not only significantly reduce the development resources required for 8K systems, but also greatly accelerates the time to market.

Product Feature

- The Realtek RTD2893 can upgrade a 4K TV platform to a fully functional 8K TV. Support for 8K AV1/HEVC/VP9 video decoding, HDMI 2.1 8K input and output, secure video bit stream transmission over USB/PCIe, and 8K video processing including all HDR formats, allows the RTD2893 to dramatically reduce 8K TV development time for all TV brands. The RTD2893 presents a very cost competitive 8K TV solution with all DDR memory inside.

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

ROG Phone**ASUS**
IN SEARCH OF INCREDIBLE**Asustek Computer Inc.**

華碩電腦股份有限公司

[Company Website](#)**Booth No. M0410****Winning Reason**

- Asus's ROG Phone design caters to the demands of the vigorously developing mobile gaming market. Taking advantage of its hardware performance along with accessories that can provide gamers' with intense yet enjoyable experience, Asus has transformed smartphones to become a gaming console with unlimited potential.
- The phone is equipped with stable and balanced cooling system, and even has a removable cooling fan. This can help with the stability of high-refresh rate video images. It provides users with a series of accessories that comes with Airtriggers for customizable button layouts, which is designed specially in response to the specific needs of the gamers.

Product Feature

- With pure ROG gaming DNA at its core, ROG Phone breaks every rule to go where rivals fear to tread. Its world-beating, speed-binned 2.96GHz Qualcomm Snapdragon 845 Mobile Platform and Adreno 630 GPU deliver epic performance, its unique GameCool vapor with detachable AeroActive Cooler for an extra cooling boost to sustain high frame rates in the heat of battle, and its no-compromise AMOLED display blends blazing speed with gorgeous visuals. The enhanced, ultra-responsive game controls including.

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

AORUS AD27QD Tactical Gaming Monitor

**GIGABYTE™****GIGABYTE TECHNOLOGY CO., LTD.**

技嘉科技股份有限公司

[Company Website](#)

Booth No. S0512

Winning Reason

- AORUS Gaming Monitor's design symbolizes to soar on wings like an eagle, sending the message across to gamers subliminally. Through understanding the gamers' needs, it also implemented a handle on the back of the monitor to avoid overextending the corners which may affect where gamers place their keyboards. This thoughtful consideration in the design deserves recognition.
- As for hardware specs, its ANC microphone is placed in the front right below its logo, which can reduce surrounding noise effectively. The refresh rate is also the highest among its competitors that ensures smoothness for optimal gaming experience.

Product Feature

- The design concept is from a falcon diving after its prey. Using digital LEDs to represent the flapping wings.
- Active Noise Cancelling (ANC). Provide gamers clear communication quality.
- OSD Sidekick. Adjust your monitor settings or activate the tactical features if the monitor with mouse and keyboard.
- Customized crosshair. Gamers can draw their own monitor crosshair.
- Timer, Counter, Dashboard, and other tactical features support gamers in-game.
- 1ms, 144Hz, 10bit color IPS panel

Zenbo Junior**ASUS**
IN SEARCH OF INCREDIBLE**Asustek Computer Inc.**

華碩電腦股份有限公司

[Company Website](#)**Booth No. M0410****Winning Reason**

Zenbo Junior is a new member of the well-established Zenbo robot family from Asus, with a specific focus on the educational market. We find it innovative for the following reasons:

- Elegant system integration that combines voice, facial, image, object recognition, natural language interfaces and a multitude of robotic sensors into a small profile robot.
- Friendly, intuitive user interface and smooth user experiences, especially to the target educational users.
- Flexible content management platform that allows customization and expansion for additional educational materials.
- A bundle of tools to facilitate the AI robotics education.
- Remote robot console capable of managing multiple robots at the same time, reducing management hassles of educational institutions and therefore leading to improved classroom adoption.

Product Feature

- Zenbo Junior a versatile intelligent robot with AI-enabled platform that adapts to various scenarios. The design echoes the emerging STEAM trend encouraging students to face practical problems with trans-discipline thinking. “Zenbo Lab,” a web application that combines perception and block-based coding, reduces the learning curve of basic robotics, AI concepts and programming languages. For businesses, administrators efficiently build and deploy robotics solutions with Zenbo Management System.

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

ZenBook 13



ASUS
IN SEARCH OF INCREDIBLE

Asustek Computer Inc.

華碩電腦股份有限公司

[Company Website](#)

Booth No. M0410

Winning Reason

- ZenBook 13 is a special edition notebook for the ASUS 30th Anniversary. The upper genuine-leather lid cover on this product shows the ultimate craftsmanship, providing the owners with a good sense of texture and stirring the desire of collecting this notebook.
- The narrow 2.8 mm screen frame provides a 95% screen/body ratio for good viewable area with a small body size, contributing a light weight for better portability.
- The touchpad designed by ScreenPad can be a multi-function screen, enabling different combination of working scenarios in operating the system.

Product Feature

- Exquisitely crafted Pearl White genuine-leather lid cover is a unique ASUS design breakthrough.
- World's smallest 13" laptop with NanoEdge display ultraslim 2.8mm bezels, 95% screen-to-body ratio.
- High performance with 1TB SSD, discrete graphics and 50Wh battery.
- New ScreenPad™ is an intelligent touchpad with an interactive LCD display for easy multitasking.
- Unique ErgoLift hinge improves ergonomics, cooling and audio performance.
- Secure IR camera for fast face login.

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

Prestige P100 Series Creator's Desktop PC**Micro-Star International**

微星科技股份有限公司

[Company Website](#)**Booth No. L0818****Winning Reason**

- This product provides digital content developers or designers with specific efforts on system performance optimization for audio and video processing performance, low noise working and integration of various creative software. It also comes with unique creations in exterior design which enhance product value.
- The internal mechanism of the workstation is designed to provide independent heat dissipation channels from the processor, display card and power supply, which promotes better heat dissipation efficiency and computer performance balance, while still maintaining a beautiful and trendy appearance.

Product Feature

- Compact and Powerful
- I/O ports are designed at the bottom-left hand corner for creators to conveniently use every day, furthermore this will not affect the user's vision when they are working.
- Separate physical chambers & airflows for CPU, GPU & PSU to make sure a perfectly fine-tuned cooling system.
- Intel® Core™ i9 -9900K eight-cores processor with 32GB dual channel DDR4 memory.
- With the latest MSI RTX 2080 Ti 11GB GDDR6 graphics which support 8K resolution.

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

AVITA LIBER**NEXSTGO****NEXSTGO Company Limited**
力高創科有限公司[Company Website](#)**Booth No. N0608****Winning Reason**

- The product provides the customer diversification, the individuality choice, brings the new and fresh look to the notebook. Up to 14 colors and six special patterns, are designed to appeal to young, individualized people.
- The technology includes built-in fingerprint recognition, 10-hour battery life, and lightweight designs that combine efficiency with personalized design.
- In the market vitality, the customized color choice and the carving design provides diversification, individuality, brand-new image to target customers. It will have big attraction with market potential.

Product Feature

- AVITA LIBER redefines fashionable laptops by offering 14 colors and special design patterns for selection. Equips an 8th generation Intel® Core processor, features full support for Windows Hello and a fingerprint reader. With SSD storage 256GB, weighing from 1.35kg, and it comes with a USB-C 3.0 port that supports quick charging, two USB 3.0 ports, a micro HDMI port and MicroSD card slot. AVITA LIBER offers great mobility without compromising its usability.

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

ATEN Portable All-in-One Streaming Studio



ATEN INTERNATIONAL CO., LTD.

宏正自動科技股份有限公司

[Company Website](#)

Booth No. P0514

Winning Reason

- The ATEN Portable All-in-One Streaming Studio is adequately designed to address the needs of youtubers and streamers in the consumer market. The ATEN streaming AV mixer integrates HD video switching, splitting, editing, overlaying, monitoring and audio mixing features previously only found in professional AV mixing consoles into a small profile system, with the addition of streaming-specific functionalities such as video/ audio capturing, encoding, converting, and supports for streaming platforms. This greatly reduces the complex equipment settings currently necessary for online live broadcasting, significantly lower the entry barrier. Furthermore, the small, portable profile and the adoption of iPad as user interface also make it possible to perform online live broadcasting anywhere.

Product Feature

- All-in-one design
- PC-free and Software-free
- Well-designed Control Panel for Effortless Operation
- Advanced Setting via Intuitive App
- User-centered Mechanical Details
- Fanless and optimized thermal air flow design for quiet operation
- Ergonomic comfort from 7.5° tilting and hand rest area design
- Back handle to enhance portability

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

HD770G Durable RGB External Hard Drive



ADATA Technology Co., Ltd.
威剛科技股份有限公司

[Company Website](#)

Booth No. L0810

Winning Reason

- The ADATA HD770G Durable RGB External Hard Drive is awarded for providing its users a peace of mind. It combines dazzling, eye-catching product external design with durable, rugged physical protection into a portable storage system. HD770G is designed for serious e-sports players, Gamers and outdoor enthusiasts who care about the security of their data. Under its multi-colored RGB lighting surface with flow effect, the HD770G is a durable military-grade robust system that offers 2 meters IPX8 water proof, IP6X dust proof and 1.22 meter shock proof. In addition to physical security, HD770G also offers standard AES 256-bit encryption to keep the data virtually secure.

Product Feature

- World's first durable RGB external HDD
- Technology-inspired design
- Beyond IP68 waterproof & dustproof, Can be submerged in 2 meters of water for 120 min
- Military-grade shock proofing
- Robust triple-layer construction
- Up to 2TB of capacity
- AES 256-bit encryption

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

**Ubiik Weightless Long Range
ePaper**

ubiik



Ubiik

優必闡科技股份有限公司

[Company Website](#)

Booth No. A1120

Winning Reason

- Ubiik Weightless Long Range ePaper is an outstanding product. It has shown features that no products in the past have, and has potential to lead to a paperless generation.
- Long range wireless connection up to 2km and has long life-span in terms of durability. It is also eco-friendly and practical that can potentially create a more eco-friendly environment in smart factories and smart cities.
- It has received the 2018 Young Enterprise Initiative Award and 2019 SBIR Award.

Product Feature

- 5 years of battery life:
 1. Ultra low power Eink ePaper Screen
 2. Ultra low power industrial-grade Low Power Wide Area Network (LPWAN) "Weightless"
- Connected with 2km update outdoor range, 400m indoor range:
 1. Light Infrastructure of Indoor/Outdoor dedicated "Weightless LPWAN" gateways
- Updates images in a few seconds:
 1. 100kbps update speed thanks to Weightless LPWAN strong Downlink
- Seamless integration in any Software Management System:
 1. To applications on the cloud or on local server

QuattroPod**EZCast****Winner Wave TW Limited**

捷濤有限公司

[Company Website](#)**Booth No. S1417****Winning Reason**

- Very unique product that can transmit wirelessly without WiFi setup and app installation. QuattroPod makes presentation easy at anytime and anywhere.
- Diverse I/O support, cross-platform support for Windows, Mac, iOS, and Android, along with the newest smartphones and tablets.
- Easy to use and can input/output up to 4k resolution. It can input multiple video sources and display in split-screen mode.

Product Feature

- QuattroPod is designed for next generation of BYOD offices and meetings rooms.
- No matter Android, iPhones, Windows, Mac laptops or tablets the presenter uses, he can plug and play to create wireless presentations to 4K screens with a simple click.
- The secure, point to point Wi-Fi connection between QuattroPod transmitter and receivers means a guest presenter does not require the guest Wi-Fi permissions to join meetings.
- It also allows up to 4 presentations to be displayed in split-screen mode.

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

Live Gamer 4K



 圓剛 AVerMedia

AVerMedia Technologies, Inc.

圓剛科技股份有限公司

[Company Website](#)

Booth No. L1101a

Winning Reason

- Can capture up to 4K at 60fps of HDR gameplay.
- Can capture up to 240 fps in 1080p of gameplay.
- In-built 3 RGB modes.
- AVerMedia RECentral streaming software installed.

Product Feature

- Live Gamer 4K (LG4K) is the embodiment of what next generation of game capture is all about.
- This high-tech capture card is aiming at high-end console gamers (such as PS4 Pro, Xbox One X and Nintendo Switch players) and even PC Gamers, content creators as well as live streamers.
- Mighty in every aspect, from capturing 4K HDR content to amazingly high frame capturing of up to 240 FPS, the LG4K is bringing the future of video capture to all gamers and content creators.

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

**Trident X Plus - First world
compact size gaming PC 10 liters
with core i9 K series eight cores
CPU and full size gaming graphics
card**



Micro-Star International
微星科技股份有限公司

[Company Website](#)

Booth No. L0818

Winning Reason

- Equipped with strong processing power of the 9th Generation Intel 8-core CPU and NVIDIA's GeForce GTX20 Series GPU inside a 10L PC case.
- Divides CPU, GPU, and PSU into 3 zones to avoid heat accumulation, providing high efficiency cooling solution.
- Hardened glass side panel that is both stylish and easy to remove for upgrades.

Product Feature

- Trident X Plus, With the mere 10 liters in volume, has all the components that are usually found in big tower cases, including Intel 9th K series CPU and NVIDIA GeForce RTX 2080 Ti graphics card. Besides the powerful GPU and graphics card, Trident X Plus also supports up to two 2.5" HDD, 2 M.2 PCIE SSD and 32GB DDR4 memory. The power supply of Trident X Plus is also preinstalled inside of the chassis so that users don't have to an extra adapter that is both big and heavy.

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

AI Gaming Monitor - MSI Optix MPG341CQR



Micro-Star International

微星科技股份有限公司

[Company Website](#)

Booth No. L0818

Winning Reason

- Integrates AI technology that allows users to change settings based on different needs.
- Newly features such as camera mount and mouse bungee to provide streamers and gamers with better user experience.
- Controllable through mouse and keyboard and has 5 sets of LEDs to show gaming status.

Product Feature

- AI and voice assistant: The first monitor with the face recognition, adjusting its brightness , and voice assistant for control.
- Providing the gaming experience from gamers' perspective: MPG341CQR is the first monitor that comes with the mouse bungee and camera cradle
- The monitor that interacts with games
- Incorporating mouse and keyboard control
- Customization preset
- SMART RGB: the RGB lights change based on the weather, keeping gamers aware of the real world.

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

XPUMP Premium - 3D Audio Processor



Embrace Audio Lab Inc.
英霸聲學科技股份有限公司

[Company Website](#)

Booth No. INNOVEX A1229

Winning Reason

- Easy installation and connection to devices such as PCs, gaming consoles, speakers and headphones.
- Enhanced sound details with patented algorithms to provide a better listening experience in entertainment scenarios such as music, movies, and games.
- Although it is only SME, it accomplished great sale results through crowdfunding platforms, proving its product value in the market.

Product Feature

- IMMERSIVE EMBEDDED 3D SURROUND SOUND, plug and play design connects direct to your audio device, no additional settings or installations required.
- VIRTUAL 7.1 via patented XROUND digital signal processing algorithm giving you the smallest portable home theatre system in the world.
- GREAT COMPATIBILITY as external surround sound card works with your mobile/ Windows PC / Mac / PS4 /Nintendo Switch, simply connect to your headset or speakers and enjoy great sound.

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

Tern Smart Mesh Wi-Fi System



Gemtek Technology Co.,Ltd.
正文科技股份有限公司



[Company Website](#)

Booth No. P0114

Winning Reason

- The newest 360-degree smart wireless antenna product that employs the “Pattern Based Portable and Efficient Smart Antenna Steering Algorithm” and “Visualize Smart Antenna Performance” technologies to facilitate the process of finding the optimal antenna orientation.
- Radiation is no longer confined to a fixed pattern, exhibiting extraordinary malleability to accommodate to different environments, which can help wireless products overcome antenna dead zones and improve overall signal quality
- Wide range of applications for a variety of wireless products with significantly reduces cost.

Product Feature

Gemtek Tern Smart Mesh Wi-Fi System incorporates the “Pattern Based Portable and Efficient Smart Antenna Steering Algorithm” and “Visualize Smart Antenna Performance” technologies:

- Effectively maximizes network coverage and speed
- Signal strength: Uni-directional 200%, Bi-directional 400%
- The compact-sized antenna could be Adapted in various platforms or applications
- With 12 multi-color LED easily identify beam directions and antenna status
- User-friendly APP easily control antenna direction

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

NVIDIA DGX-2



NVIDIA.

**NVIDIA Hong Kong Holdings
Ltd. Taiwan Branch**

香港商輝達香港控股有限公司
台灣分公司

[Company Website](#)

Booth No. N1421

Winning Reason

- NVIDIA DGX-2 has superb performance and can learn from data that machines in the past cannot. It is also one of the top two peta FLOPS AI supercomputer in the world.
- It is equipped with 16 fully interconnected Tesla V100 GPUs that can transmit data at 2.4TB/sec. It basically has a revolutionary AI network structure.
- NVIDIA DGX-2 has virtual capabilities and supports deep learning. It is currently the fastest AI supercomputer in the world.

Product Feature

- Performance to train the previously impossible: the world's first 2 petaFLOPS AI supercomputer 10X performance
- NVSwitch: Revolutionary AI network fabric: 16 fully interconnected Tesla V100 GPUs to communicate at a speed of 2.4 TB/sec
- AI Scale on a whole new level: speed of scale without complexity
- Flexibility with virtualization
- NVIDIA GPU Cloud (NGC) Deep Learning software stack support

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

ASUS Mini PC ProArt PA Series**ASUS**
IN SEARCH OF INCREDIBLE**Asustek Computer Inc.**

華碩電腦股份有限公司

[Company Website](#)**Booth No. M0410****Winning Reason**

- ASUS's award-winning Mini PC ProArt PA90 product, in addition to Intel's new ninth-generation CPU, uses a water-cooled cooling method for quiet use. In addition to the design of the inner appearance, it also jumps out of the appearance of the PC.
- Targeted by image creation or industrial design, as well as designers of various architectures and planes, it provides a convenient combination of images, photos and creative content in the design process.
- This product combines intrinsic powerful features with an elegantly designed look that adds value to ASUS' R&D and design capabilities, so the review is consistently recommended as the Golden Award.

Product Feature

- Powered by Latest Intel® 9th Gen Core™ Processors and NVIDIA® Quadro® graphics cards
- Quiet and efficient liquid-cooling solution ensures long-term, high-performance stability
- Supports up to two M.2 PCIE storages and Intel® Optane™ Technology, for incredible responsiveness and data transfer speed
- Elegantly curved design blends perfectly with any creative environment
- High compatibility and reliability with professional applications – ISV certification

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

GT76 Titan Gaming Notebook



Micro-Star International

微星科技股份有限公司

[Company Website](#)

Booth No. L0818

Winning Reason

- Processor can reach 5GHz of extreme performance.
- High efficiency cooling system with 4 cooling fans and 11 heat pipes.
- Provides superb video and audio for gaming experience.

Product Feature

- Up to Intel® Core™ i9-9900K processors and GeForce RTX 2080 8GB GDDR6.
- Exclusive Cooler Boost TITAN cooling technology with four fans with 11 heat pipes.
- The Killer E3000, first 2.5 Gbps Ethernet Controller and Killer Wireless-AX 1650 gives gamer unprecedented speed.
- 15.6" Full HD (1920x1080), 144Hz, IPS-level thin bezel gaming display.
- Per-Key RGB gaming keyboard by SteelSeries.

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

Realtek Bluetooth 5 ANC Smart Headset SoC (RTL8773B)**Realtek Semiconductor Corp.**

瑞昱半導體股份有限公司

[Company Website](#)**Booth No. T101A****Winning Reason**

- This is a new generation of active noise reduction intelligent voice solution that is not only focused on voice assistants, but also its assistive IoT functionalities.
- Realtek's Bluetooth 5 ANC Smart Headset SoC (RTL8773B) matches the 2nd generation bluetooth voice solution with its perks such as high performance, low power consumption, active noise cancelling, remote and high sound quality.
- This product suits the most requested application needs to equip IoT devices with voice solutions, linking these bluetooth devices with IoT.
- It is equipped with Bluetooth 5.1+ANC SoC that reduces RBOM and design space.

Product Feature

- The RTL8773B is the ideal ANC (Active Noise Cancellation) Bluetooth 5 Audio SoC for AI Headset application. It supports the latest Bluetooth 5 specification and Hybrid ANC, and also provides very low power consumption during music-playback and phone conversations. The RTL8773B can help makers easily upgrade to a premium model with ANC plus Bluetooth function, as well as offering high-resolution audio quality for a better user experience.

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

ZenFone 6**ASUS**
IN SEARCH OF INCREDIBLE**Asustek Computer Inc.**

華碩電腦股份有限公司

[Company Website](#)**Booth No. M0410****Winning Reason**

- High pixel, wide angle dual cameras, and 5000mAh high capacity battery fulfill the user needs today. Twilight Silver and Midnight Black of body colors can emphasize its futuristic style as well as the ergonomic 3D curve glass and wedge design.
- Among the products that pursue for performance, ZenFone 6 comes with 6.4 inch Hyperboloid display, and its camera module structure is made of liquid metal. The phone not only is equipped with high-end specs but also priced reasonably, making it stand out among its competitors.

Product Feature

- ZenFone 6 has an innovative camera system with 48MP high-resolution dual ultrawide front and rear cameras, removing the limits on creativity. It also has an all-screen NanoEdge display for an immersive viewing experience, a 5000mAh high-capacity battery for long endurance, and a 3D-curved glass and wedge cover design that are both visually attractive and comfortable to hold. ZenFone 6 incorporates liquid metal into the structure and exterior of the device to keep it slim and light.

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

AI 360 degree fisheye image smart car flow detection technology



ELAN Microelectronics Corp.

義隆電子股份有限公司

[Company Website](#)

Booth No. L0427a

Winning Reason

- The first traffic analysis solution on the market with 360° fisheye image + AI algorithm.
- 360° image traffic analysis with AI edge computing, images are analyzed directly by the Local end, without broadband network or uploading to the cloud, saving a lot of transmission time and cost.
- Use one fisheye camera to replace 7 to 8 gun cameras in the traffic analysis application.
- Provide 95% accuracy rate in day, night, rain, and even bad weather conditions by using AI algorithm.

Product Feature

- Intersection 360 AI Vision-based Traffic Recognition
 1. Vehicle size (Large ,Middle, Small) recognition
 2. Turning directions (Left, Right, Straight)
 3. Locomotive Flow
- Transfer Lane can be adjusted
 1. When the same lane switch becomes a temporary transfer lane , you can instantly change direction , no need to move detection equipment
- Locomotive Traffic Detection
 1. In response to Taiwan's special locomotive culture, we develop and cooperate with the government and do promotion to Southeast Asia

E Ink Hardware TCON T1000



E Ink

E Ink Holdings Inc.

元太科技工業股份有限公司

[Company Website](#)

Booth No. S0424

Winning Reason

- Integration of E Ink's exclusive ePaper patents including video image algorithms and smart display mode detection.
- User-friendly can supports various SoC.
- Easy Android app development.
- Allowed for quicker system integration and hardware design.
- Applicable in various IoT applications.

Product Feature

- E Ink ePaper-specific algorithm IP integrated into T1000: Image algorithm and Smart display mode detection;
- Standard Display Interface: MIPI-DSI;
- Easy to use and support multiple SOCs;
- Integrate ePaper PMIC, optimized power management for enhanced power consumption;
- Enabling easy APP design for generic Android platform;
- Enabling fast hardware design and system integration; and
- Suitable for diversified IoT applications.

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

CoolGaN™ e-mode HEMT



英飛凌

**Infineon Technologies Taiwan
Co., Ltd.**

台灣英飛凌科技股份有限公司

[Company Website](#)

Booth No. S0914

Winning Reason

- This product is an enhanced transistor that has a unique “Normal OFF” property which allows for a longer product life-span.
- This product can produce higher system efficiency, greatly increase power density and higher operating frequency.
- This product benefits from GaN technology, including high reliability and longer life-span. Also, since the power density has been greatly increased, the system costs have also been largely reduced.

Product Feature

Infineon CoolGaN™ e-mode HEMT reaches 140 W/in³ for 3kW LLC with >98% efficiency, significantly improving power density to almost 3 fold enabling more compact design and efficiency improvement.

- Features:
 1. Enhanced Mode: Unique normOFF concept solution and the best fit for longest lifetime
 2. Ultra fast switching
 3. No reverse recovery charge
 4. Capable of reverse conduction
 5. Superior commutation ruggedness

Benefits:

OPEX and CAPEX reduction, power density improvement and system cost reduction

i-Ctrl The Wireless Smart Home Device



AIFA TECHNOLOGY CORP.

艾法科技股份有限公司

[Company Website](#)

Booth No. P1222a

Winning Reason

- The solution can easily and user-friendly enable smart control for all traditional devices.
- Provide smart and effortless control through a 360°infrared signal transceiver in the range of 10 meters.
- Built in temperature and humidity sensing devices, which allow the customer to build a comprehensive profile of personal comfort.
- Information security certificated protection for personal privacy.

Product Feature

Smart Home Features:

- supported TV, Set top box, Air-conditioning, Dyson Fan, Ceiling light, iRobot and more.
- Edit: i-Ctrl has a remote editor that allows you to customize each remote to make it your own.
- Voice control via Google Home and Amazon Echo
- Unlimited 7-day smart scheduling
- Share your device control with family
- Can be used by the whole family
- Saves energy and reduces bill
- Healthcare & IoT environmental control

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

**AIoT Edge Computing Box PC for
Cloud PBX Solution & Call Center
Solutions****Micro-Star International**

微星科技股份有限公司

[Company Website](#)**Booth No. L0818****Winning Reason**

- Integrates AIoT edge computing architecture that can provide cloud PBX solution and call center solutions worldwide.
- Strong functionality that can support various secured cloud communication interfaces to ensure reliable and stable edge computing, providing clients with centralized data management service. User-friendly smart and high resolution interface that also integrated CTI and CRM systems.
- Ultra-thin, fan-less, and low power consumption structural design, demonstrating a work of art.

Product Feature

- Multi Internet connectivity-with LAN, 4G, WIFI AP, allow other edge PCs to connect each other
- TPM2.0 Security in cloud communication
- Reliability monitor-remote control and solve abnormal issue
- Customer database services-Business intelligence, Customer Value Analysis.
- Backup structure service
- Intelligent information integration-CTI , IVR, CRM, Call center integrated, FQA by Smart AI Robot, Customer Management
- Visualization UI design-Real time Monitoring, Report Analysis

**Ameba D: Ultra-Low-Power
Versatile IoT Solution
(RTL8722DM)**



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

[Company Website](#)

Booth No. T101A

Winning Reason

- World's first ultra-low power usage Wi-Fi and Bluetooth 5.0 dual channel IoT SoC. With its unique features such as low power consumption, super short latency, and super fast wakeup, the product has applications in smartlocks, smartwatches, remote controllers, home entertainment systems, and gaming.
- It comes with highly secure architecture, standardized modules, user interface, and various development kits to allow for more convenient development in IoT end products. This helps promote the development of IoT network worldwide.

Product Feature

- The RTL8722DM integrated IoT single chip has very high security level architecture and low power consumption. Dual-band Wi-Fi and BT 5 Mesh transmission achieves long-distance transmission and anti-interference performance across various wireless devices. LCD Panel support and patented ultra-low audio latency features also make the RTL8722DM the best IoT solution for smart door and IoT Wi-Fi audio/entertainment devices. A global IoT ecosystem allows development of advanced IoT applications.

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

NVIDIA Jetson AGX Xavier



NVIDIA®

**NVIDIA Hong Kong Holdings
Ltd. Taiwan Branch**

香港商輝達香港控股有限公司
台灣分公司

[Company Website](#)

Booth No. N1421

Winning Reason

- AGX Xavier is a single-board computer for executing AI model inference and can be applied in a variety of embedded environments. It can be applied to various fields and is now widely used in autonomous machine vehicles or platforms.
- It is built-in with powerful deep learning computing power of 32 TOPs at a power consumption range of 30W/15W/10W, suitable for autonomous machines powered by battery.
- The board includes powerful capabilities of video processing, image signal processing by various accelerator designs. It can be ranked among the top list of single-board computers in the world.

Product Feature

- The world's 1st AI Computer for autonomous machines
- 512-Core NVIDIA Volta™ GPU with Tensor Cores
- (2x) NVidia Deep Learning Accelerator Engines
- 8-Core ARM® v8.2 64-Bit Carmel CPU
- 32 DL TOPS
- Support Isaac SDK for accelerating the development of AI robotics
- Support Deepstream for video analytics

PA760 Rugged Mobile Computer



unitech
because we care

Unitech Electronics Co., Ltd.

精聯電子股份有限公司

[Company Website](#)

Booth No. K0216

Winning Reason

- Industrial-size computer with excellent functionality, including work gauge level protection design, professional bar code engine and dual-lens camera, as well as unique multi-bar code reading function. It is a very customized, efficient design and multi function tool. In addition, it can be widely used in storage, parking management, water and electricity meter reading, airport and transport management, retail management and other fields. It will be a good helper in the industry.
- In terms of market potential, with Google certification, NFC login function, security, plus a unique multi-barcode design, a brush can read 10 groups of barcode, improve the reading efficiency of 10 times, and rapid disassembly battery design, easy for customers to adopt. It has great potential in the market.

Product Feature

- Android 9.0 OS with GMS Certification
- Advanced 2D imager to read special DPM / Dot code
- Support NFC & Finger Print (optional)
- Easy Hot-swap battery design
- Available to read more than 10 barcodes at a time with multi-scan function
- Dual charging interfaces: durable pogo-pin connector & USB Type C Connector
- IP67 and 1.5M drop-resistant housing (1.8M with bumper)
- Support WLAN& WWAN: Dual Bands with fast roaming &4G LTE with full bands
- MDM Software Solutions

Live Streamer CAM 313



圓剛 **AVerMedia**

AVerMedia Technologies, Inc.

圓剛科技股份有限公司

[Company Website](#)

Booth No. L1101a

Winning Reason

- AVerMedia's Live Streamer CAM 313 is awarded for its attention to user needs and user experiences. Designd to cater to the need of both Youtubers as well as residential users, the Live Stream CAM 313 features a driver-free design to free the users from the hassles of driver installation; a well-thought privacy shutter provides users with a peace of mind against potential prying eyes of hackers; the flexible mounting clip with rubber pads enables the camera to be mounted firmly either on top of the monitor or on a tripod. Furthermore, the accompanied software RECentral allows easy streaming with multiple video special effects. Altogether, AVerMedia's LifeStreamer CAM 313 provides users with an integrated and streamlined user experice that delivers unique user value.

Product Feature

- PW313 is a driver-free webcam. It records crisp, vibrant 1080p30 videos that capture the finest details for your live streaming and video blogs.
- we have crafted this webcam with a built-in privacy shutter to keep you safe from any hacker attacks and give you a peace of mind when you aren't streaming.
- Accompanying Live Streamer CAM 313 with RECentral 4, AVerMedia's streaming/editing software, and enjoy exclusive filter feature which makes you picture-perfect on screen all the time.

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

RJ-45 Security Lock



**YOUHUNG INTERNATIONAL
VIEW CO., LTD.**
宇竑國際有限公司

[Company Website](#)

Booth No. P1308a

Winning Reason

- YOUHUNG's RJ-45 Security Lock offers physical protection for the prevalent RJ-45 Ethernet port on every Internet-connected device. YOUHUNG's RJ-45 Lock receives the Jury's Special Award for SME mainly due to the attention to fine design details: its colorful design facilitates categorization in data centers, the precision of its injection-molded production streamlines the insertion and extraction, the hallow design will not interfere with electrical contacts of RJ-45 port, the design of the lock can double as a dust-proof cover of the RJ-45 port, the design of the key allows easy insertion even under dimmed lightening.

Product Feature

- To prevent unauthorized removal of the cable.
- Even in high density applications do not interfere with each other.
- Easy installation RJ-45 security lock device is locked.
- Special removal tool to release enhanced security. Compatible with most RJ-45 information outlets, it is suitable for a variety of information entity connection blocking applications.
- The internal hollow design does not interfere with the socket contacts and is dust-proof.

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

Soteria Enterprise**AMARYLLO****Amaryllo International, Inc.**
愛瑪麗歐股份有限公司[Company Website](#)

Booth No. R1230

Winning Reason

- Capable of filming and analyzing video image content in real time based on number of people, gender, age, stop time, stop location, peak in crowd, facial recognition, hotzones, and many other data for more optimal store management
- Provides video image analysis solutions via cloud services with unlimited storage. There is no need for stores to purchase computer or servers, which greatly reduces entry costs.
- Provides security functionalities such as video surveillance that can notify store managers when abnormal behavior is detected.

Product Feature

Soteria Enterprise is world's first cloud-based smart retail analytics software to monetize customer data in real time. Powered by advanced artificial intelligence, it manages an unlimited number of cameras to offer both data analytics and security protection for every store owner.

Distinctive Features:

- Real-Time People Counting
- Traffic Trend Report to forecast staffing levels.
- Intelligent Heat Map Analytics
- VIP and Blacklist Recognition

**EX8040S 4K Color+180 Degree
1080p FHD Depthmap camera**



Etron 鈺創科技

Etron Technology, Inc.

Etron Technology, Inc.
鈺創科技股份有限公司

[Company Website](#)

Booth No. S0410

Winning Reason

- Provides 180o Semi-spherical view angle FOV, capable of outputting 1920x1080p FHD depthmap at 24fps, and provides 4K full color imaging resolution.
- Can process wide angle distorted image into ideal scale for viewing.
- World's highest resolution at FHD 1080p used in a computer's visual sub-system.
- Low power usage, wide range of applications.

Product Feature

- 180 degree ultra-wide view angle
- 1920x1080p @24fps or 1280x1280 @30fps Depthmap
- 4K Color with IR-cut Filter
- Onboard synchronized 6-DoF IMU
- Optional Microphone audio Input
- Full synchronized on Color, Depthmap & IMU data streams
- Single USB3.1 Type-C Connector

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