

- AAEON awarded the 26th Taiwan Symbol of Excellence Award
- AAEON went public on the Taiwan Stock Exchange
- AAEON awarded a 2017 COMPUTEX d&i Award
- AAEON awarded the 2017 Smart City Innovative Application Award

2017

- AAEON awarded the 23rd Taiwan Symbol of Excellence Award
- AAEON awarded the Microsoft Partner of Year 2015 Award
- AAEON awarded the Outstanding Business Achievement Award

2015

- AAEON awarded the Computex Taipei 2013 Best Choice of the Year Award
- AAEON awarded the 21st Taiwan Symbol of Excellence Award
- AAEON awarded the Microsoft Silver Partner Award

2013

- AAEON awarded the Taiwan Excellence Achievement Award
- AAEON awarded the 19th Taiwan Symbol of Excellence Award
- AAEON awarded the Siemens Star Supplier 2011 Award
- AAEON awarded the Computex Taipei 2011 Best Choice of the Year Award
- AAEON joined ASUSTeK Computer Inc. (ASUS)

2011

- AAEON awarded the Taiwan Superior Brand Award
- AAEON awarded the 17th Taiwan Symbol of Excellence Award
- AAEON awarded the 17th MOEA's Joint Award

2009

- AAEON awarded the Intel® Marketing Development Funds Award of Excellence
- AAEON awarded the Intel® Greatest Co-Selling Growth Award of Excellence
- AAEON received ISO 13485 medical certification
- AAEON awarded the 15th Taiwan Symbol of Excellence Award
- AAEON awarded the Computex Taipei Best Choice of the Year Award

2007

- AAEON awarded the Computex Taipei Best Choice of the Year Award
- AAEON established a U.S. West Coast sales office in Brea, California
- AAEON moved its European branch to the Netherlands

2005

- AAEON became an Associate Member of the Intel® Embedded Alliance

2003

- AAEON Technology Inc. was established in Su Zhou, China
- AAEON became a publicly traded company on the Taiwan Stock Exchange
- AAEON set up a European office in Limburg, Germany

2001

- AAEON was listed as an OTC (Over The Counter) stock company
- The AAEON Foundation was established to promote humanitarian work and technological education

1999

- AAEON-USA, the premier off-shore branch office was established in New Jersey

1997

- AAEON awarded a 2018 Vision Systems Design Award
- AAEON awarded three 2018 COMPUTEX d&i Awards
- AAEON awarded the 27th Taiwan Symbol of Excellence Award

2018

- AAEON awarded the 25th Taiwan Symbol of Excellence Award
- AAEON awarded a 2016 ICT Month Innovative Elite Top 100 Award
- AAEON awarded the 2016 Excellence in Corporate Social Responsibility Award
- AAEON awarded a 2016 outstanding Enterprises of the Year Golden Peak Award
- AAEON awarded the Transcend Most Valued Partner Award

2016

- AAEON awarded the 22nd Taiwan Symbol of Excellence Award
- AAEON awarded the Intel® IoT Solutions Alliance Member Performance Award

2014

- AAEON awarded the Computex Taipei 2012 Best Choice Award of the Year Golden Award
- AAEON awarded the 20th Taiwan Symbol of Excellence Award
- AAEON awarded the Microsoft® Windows® Embedded Partner of Year 2012
- AAEON awarded the Intel® Best Customer Award

2012

- AAEON awarded the 18th Taiwan Symbol of Excellence Award
- AAEON awarded the 2009 Growth in Intel® Atom™ Co-selling Award

2008

- AAEON awarded the Intel® Marketing Development Funds Award of Excellence
- AAEON awarded the 8th Industrial Sustainable Excellence Award
- AAEON awarded the 16th Taiwan Symbol of Excellence Award
- AAEON awarded the INFO TECH 100 TAIWAN Award

2006

- AAEON awarded the 14th Taiwan Symbol of Excellence Award

2004

- AAEON Technology (Su Zhou factory) received 3C and ISO-9001 certification
- AAEON set up a Singapore office

2002

- AAEON received TL9000-H certification
- AAEON became a member of the Intel® ACPP Program

2000

- AAEON acquired Astech Technology Inc. to form the core of its panel PC Division

1998

- AAEON established sales offices in Europe and China

1992

- AAEON established its first office in Taipei, Taiwan

A member of the ASUS Group: A strong high-tech conglomerate

ASUS Technology and Financing

AAEON Design Flexibility and Domain Know-how



OEM/ODM Capability

The OEM/ODM service has been a key factor in AAEON's phenomenal growth over the past 10 years. AAEON offers design services for full custom requirements as well as modification services for its off-the-shelf products. Whatever you need, AAEON has the experience and expertise to help you create or modify products to perfectly fit your requirements.

Product Innovation

AAEON's integration expertise is integral to product designs that have the most desirable built-in features, saving customers valuable design and customization time. AAEON's OEM/ODM capabilities help us meet customers' exact specifications and requirements. In addition, AAEON has invested aggressively in R&D capabilities and will continue to do so to maintain a competitive advantage for new designs. In cooperation with premier technology vendors, AAEON participates in vendor early access programs to provide the latest technology to its customers.

Market Focus

AAEON has established a worldwide reputation for exceptional domain know-how. This expertise has enabled AAEON to secure a solid position in Machine and Factory Automation, as well as the Chemical Industry. Additionally, AAEON's cutting edge products meet the specific requirements of the Digital Signage, Transportation, Industrial Automation, Medical, Harbor/Marine, Military/Government, Public Safety and Energy sectors.

R&D Strength

AAEON takes great pride in its World Class R&D aptitudes. With more than 20% of AAEON's workforce employed in R&D and 10% of annual sales revenue invested in this field, AAEON is prepared to handle the most demanding designs based on the latest technologies. With our strong background in innovation, AAEON has been granted a raft of design patents around the world.

Design Capability

From our core competence of single board computer design, AAEON has expanded its capabilities to award-winning Panel PC System Design, BIOS Engineering with multi-vendor expertise, Mechanical Design, Peripheral Device Design, Design Verification and in-house EMI/EMC Debugging.

Manufacturing Capability

AAEON has manufacturing facilities located in Taipei, Taiwan and Suzhou, China. To become the leading supplier of Industrial Computers, AAEON has created manufacturing facilities with flexible layouts and expansion capabilities to easily address the demand for increased production capacity. Drawing upon the skills of its professional and experienced personnel to develop an efficient production system, AAEON has the ability to respond rapidly to customer requests for standard or customized IPC products.



AAEON's Quality Assurance Closed Loop Feedback System provides solid and consistent feedback through the design, manufacturing and service stages to ensure continuous progress and meet customer expectations. The three stages of the Quality Assurance System are Design Quality Assurance (DQA), Manufacturing Quality Assurance (MQA) and Service Quality Assurance (SQA).

DQA

Design Quality Assurance starts at the conceptual stage of a project and covers the product development stage to ensure the utmost quality throughout the process. AAEON's safety and environmental test labs ensure our products meet the requirements of CE/UL/FCC/CCC standards. All AAEON products go through an extensive and comprehensive test plan for compatibility, function, performance and usability. Therefore, AAEON customers can always expect to receive well-designed, high-quality products.

MQA

Manufacturing Quality Assurance is carried out in accordance with ISO 9001, ISO 13485, ISO 14001 certification standards. All AAEON products are built using production and quality testing equipment in a static-free environment. Additionally, these products go through rigorous tests on the production line and dynamic aging in the burn-in room. AAEON's Total Quality Control (TQC) program includes Incoming Quality Control (IQC), In-Process Quality Control (IPQC) and Final Quality Control (FQC). Periodic training, auditing and facility calibration are strictly implemented to ensure all quality standards are followed to meet customers' requirements. The Quality Control Team constantly communicates with R&D to improve product performance and compatibility.

SQA

Service Quality Assurance includes technical support and a repair service. With SQA, AAEON can serve its customers and also receive their feedback and work with R&D and Manufacturing to strengthen AAEON's response time in resolving customer concerns and improve service levels.

Technical Support

The backbone of customer support is a team of professional Application Engineers who provide customers with real-time technical support. Their expertise is shared through internal knowledge management and links to the website for online nonstop service and solutions.

Repair Service

With an efficient eRMA system and RMA service policy, AAEON's RMA Team is able to ensure prompt, high-quality product repair and replacement services with a short turnaround time.

Quality Certification



AAEON has acquired many official certifications to maintain its quality system.

ISO 9001: QMS Standards, 2015

ISO 13485: QMS Standards, 2003

ISO 14001: EMS Standards, 2015

3C: China Compulsory Certification

CE/FCC: All AAEON products undergo and meet CE and FCC test standards which prove their design quality and integrity

Industrial Automation



BOXER-6616

- Fanless Design
- IP40
- Wide Temperature Support
- Wide Range DC Input
- Mini-Card Expansion



BOXER-6405

- Fanless Design
- IP40
- Wide Temperature Support
- Ultra-slim Design
- Mini-Card Expansion



BOXER-6750

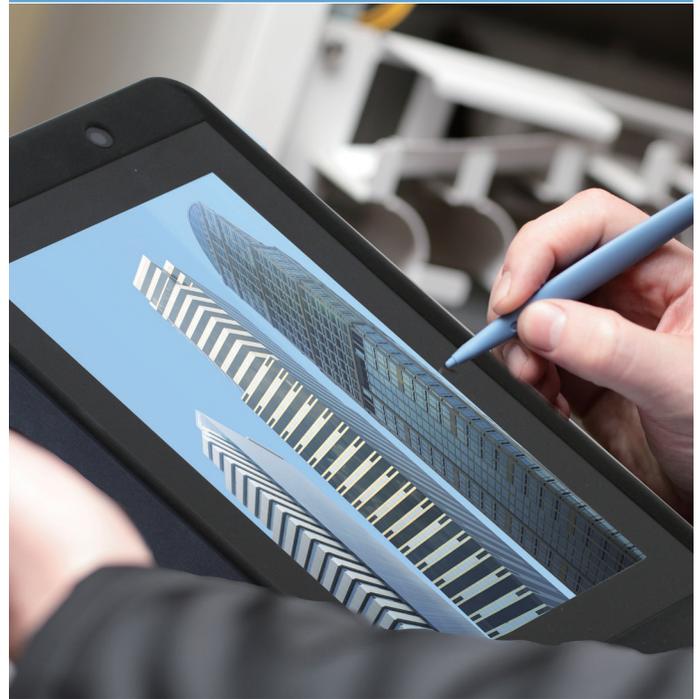
- U-Series CPU: Intel® Core™ i3-6100U/ Celeron® 3955U
- DDR4 2133 MHz SODIMM x 1, Memory Max. up to 16GB
- Supports Industrial-grade Intel® GbE LAN x 2
- Supports BIOS Selectable RS-232/422/485 x 4
- VGA + HDMI Dual Display Output



Panel PC Series

- Multiple Size 7" ~ 17"
- IP65, -20°C~60°C, OVP, LVP, RVP, SVP
- Supports Intel® Processors

Rugged Tablets



RTC-700RK 7" RISC Based Rugged Tablet

- 7" WXGA (1280 x 800) TFT LCD Display, 400 nits, Sunlight Readable (Optional)
- Rockchip RK3288 1.6 GHz Quad Core Processor
- DDR3L 2GB SDRAM
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Android 6.0



RTC-700B 7" X-86 Based Rugged Tablet

- 7" WXGA (1280 x 720) TFT LCD Display, 400 nits, Sunlight Readable (Optional)
- Intel® Atom™ x5-Z8350 CHT-T3 Quad Core 1.92 GHz Processor
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Extended Battery Swappable, MIL-STD 810G, IP65 Compliant
- Windows® 10, Android™ 5.1



RTC-1010 10.1" Industrial Rugged Tablet

- 10.1" WXGA (1280 x 800) 300-nit TFT LCD (Default) Rich Wireless Offerings
- Intel® Celeron™ N3350 1.1 GHz Dual Core Up to 2.4 GHz (N4200 Optional)
- eMMC 64GB (mSATA III Up to 512GB Optional)



RTC-1200SK 11.6" Industrial Rugged Tablet

- 11.6" HD (1920 x 1080) Sunlight Readable Display
- Intel® Core™ i Dual Core up to 3.4GHz Processor/ Intel® Celeron® 3955U Dual Core 2.0GHz Processor
- One DDR3L SO-DIMM Socket, up to 8 GB
- Two Hot-swappable Battery, 14.8V/ 2200mAh/ 33 whr
- MIL-STD-810G, IP65 Compliant, Drop 120cm
- Programmable Function Key: Windows, Volume Up/ Down, P1, P2, P3 with LED Illumination

Network Security



FWS-8600

- 2U Rackmount Network Appliance
- Dual Intel® Xeon® Processor Skylake-SP processor
- Intel® Communications Chipset C621
- DDR4 2133/2400/2666 MHz DIMM (8 DIMM Per CPU) RDIMM x 16, Up to 512 GB
- IPMI Support



FWS-7830

- 1U Rackmount Network Appliance
- Dual Intel® 8th Generation Core/Xeon processor
- Intel® Communications Chipset C246
- DDR4 2133/2400/2666 MHz DIMM RDIMM x 4, Up to 64 GB
- IPMI Support



FWS-2360

- Desktop Network Appliance
- Intel® Atom® C3000 Series Processor Supports Dual and Quad Core
- DDR4 SODIMM/ ECC DIMM (Dual Core 1 Slot Quad Core 2 Slot)
- 4 Copper(88E1543) + 2 Copper(I211), optional 4 Copper(88E1543) + 2 Fiber(I210)

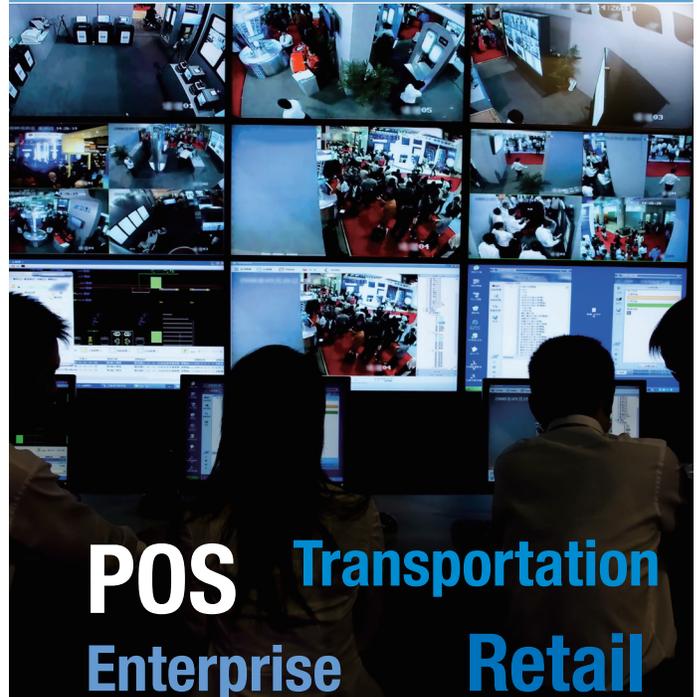


FWS-2272

(Compact & Fanless End-point Security Kit)

- Intel® N3350 Processor SoC
- On-board LPDDR4L 1GB Memory
- 10/100/1000Base-TX x 4
- On-board 8GB eMMC, SATA II Port x 1
- Mini-card Slot (with SIM Socket) x 1
- RJ-45 Console x 1, USB3.0 x 2

Video Surveillance



VPC-5600S

- In-Vehicle Network Video Recorder Platform
- Fanless System
- 260-pin Dual-Channel DDR4 2133 MHz SODIMM x 2 up to 16 GB
- Intel® Integrated Graphics Engine Supports Dual Display by HDMI x 1, DP x 1
- Realtek® Ethernet Connection x 6 w/ 4-port PoE



NVR-Q67S

- 2U Rackmount Network Video Recorder System with Intel® Core™ i3/i5/i7 Processor
- 3.5" SATA HDD Hot Swappable Tray x 8
- USB2.0 x 6, Gigabit Ethernet x 2



VPC-3300S

- In-Vehicle Networking Video Recorder Platform
- Fanless System
- 204-pin Single Channel DDR3L 1600 MHz SDIMM up to 8GB
- Mini-PCIe Socket x 3 (Full card size) (1 x w/ USB)



VPC-5500S

- In-Vehicle Networking Video Recorder Platform
- Fanless System
- 204-pin Dual Channel DDR3L 1600 MHz SDIMM, up to 16 GB
- Intel® Integrated Graphics Engine Supports Dual Independent Display by VGA x 1, HDMI x 1, DP x 1

AI@Edge



BOXER-8120AI

- Nvidia Jetson TX2
- HMP Dual Denver 2 + Quad ARM A57
- Support Linux Ubuntu 16.04
- 8GB LPDDR4, 32GB eMMC 5.1 onboard
- RS-232 x 2, USB3.0 x 2, OTG x1
- HDMI 2.0 x 1, LAN x 4 (Intel i211*3, Native*1)
- Micro-SD x 1, Remote On/Off
- Power input: 9~24Vdc



BOXER-8110AI

- NVIDIA Jetson TX2
- Support Linux Ubuntu 16.04
- 8GB LPDDR4, 32GB eMMC 5.1
- HMP Dual Denver 2 + Quad ARM A57
- HDMI 2.0 x 1, USB3.0 x 2
- RS-232 x 1, CANBUS x 1 Channel
- OTG x 1
- LAN x 1
- MicroSD x 1



BOXER-6841M

- Support 6th / 7th Core-i desktop processor, Max 35W
- Intel® H110 PCH
- Easy Installation design for expand slot
- Support PCIe[x16] x1, PCIe[x1] x1
- Support up to max 180W Graphic Card
- System Fan with PWM function

Machine Vision



BOXER-6839

- Intel® 6th Core-i Desktop processor
- Mini-Card Slot x 2 (USB & PCIe Signal)
- PCIe [x1] + PCIe [x4]
- LAN x 3
- 34bit DIO
- Dual 2.5" Drive Bay Support



BOXER-6639M

- Intel® 6th Core-i Desktop processor
- Mini-Card Slot x 2 (USB & PCIe Signal)
- LAN x 7 or LANx3 + PoE x4
- 34bit DIO
- Dual 2.5" Drive Bay Support



BOXER-6404M

- Intel® Celeron® J1900/N2807 Processor SoC
- Compact Design
- Quad Gigabit Ethernet Connectivity
- Dual HDMI Output support Dual independent Display
- Wide Operating Temperature -30°C ~ 65°C

Smart Factory



OMNI-2000/3000

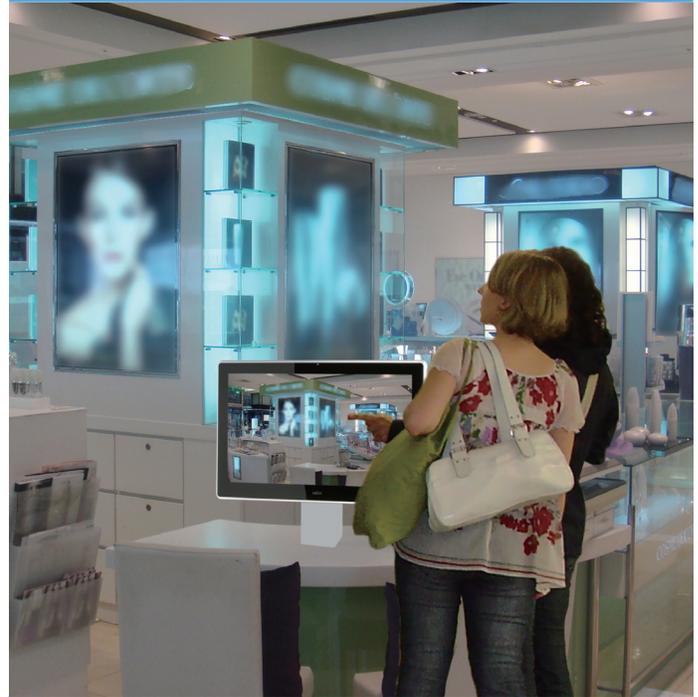
- Modular Design
- Supports P-CAP T/S / Full Flat Resistive T/S
- Supports Intel® J1900/N2807/ i5-6300/ Celeron® Processor
- IP65 Front Panel



OMNI-Display

- Modular Design
- Supports P-CAP T/S / Full Flat Resistive T/S
- LCD Auto-detection
- IP65 Front Panel

Infotainment



ACP-1074/ACP-1076

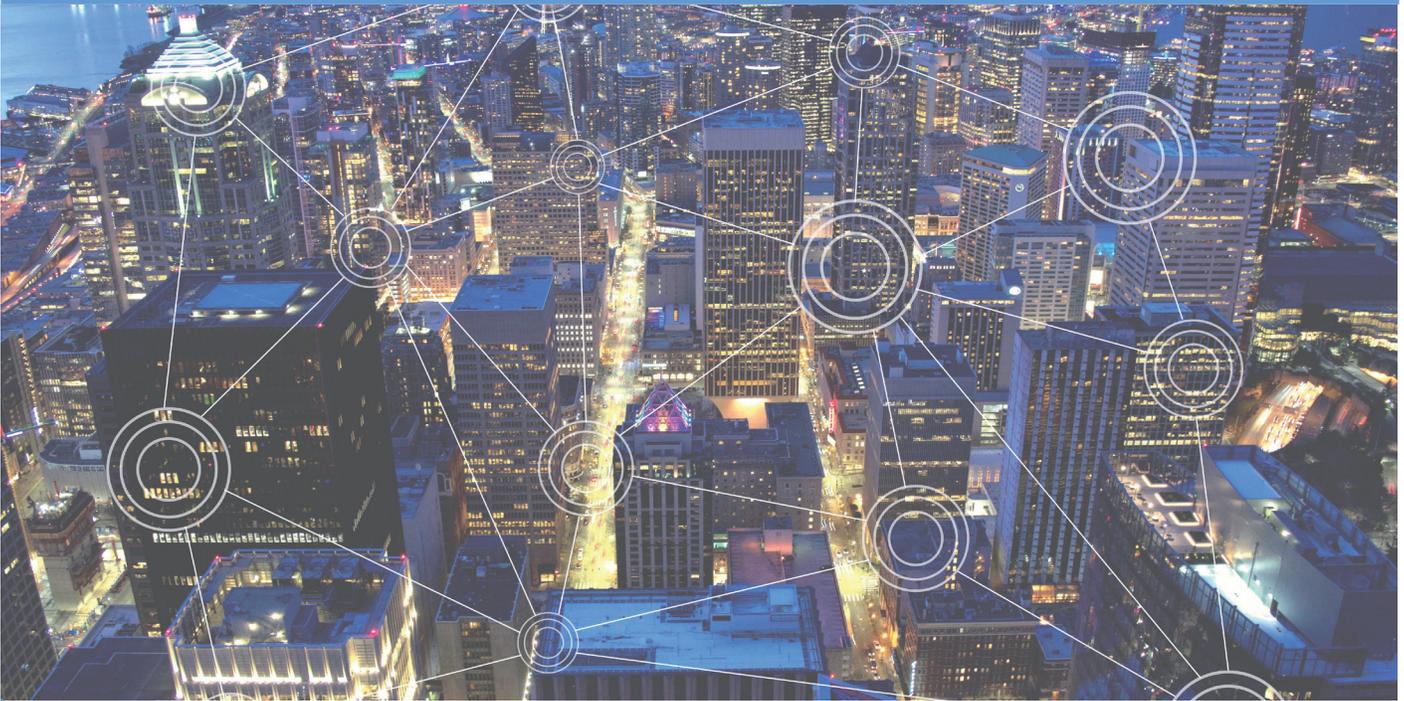
- 7" WSVGA (1024 x 600) Color TFT LCD Display
- Intel® Processor
- Wide Flatscreen with P-CAP Multi-Touch (2-point)
- 7H Anti-scratch Surface
- Aluminum Design
- IP65 Compliant
- Fanless Operation
- VESA 75/Panel Mount/ Stand Support



ACP-1104/ACP-1106

- 10.1" WXGA (1280 x 800) Color TFT LCD Display
- Intel® Processor
- Aluminum Design
- P-CAP Multi-touch (2-point)
- Fanless Operation
- VESA 75/ Panel Mount/ Stand Support
- IP65 Compliant Front Bezel

IoT Gateway



UP-GWS01

- Intel® Cherry Trail x5-Z8350 SoC
- On board DDR3L 4GB memory
- 32GB eMMC storage
- 1x Giga LAN, 4x USB 2.0, 1xUSB 3.0,1x HDMI
- Optimized Fan-less Cooling Design
- Smallest Gateway system of Intel solution



AIOT-IGWS01

- Intel® Cherry Trail x5-Z8350 SoC
- 2G DDR3L Memory, 32G eMMC Storage
- Gigabit LAN x 1, HDMI x 1
- USB 2.0 x 4, USB 3.0OTG x 1, COM x 2 (RS-232/422/485 x2)
- Optional Wi-Fi, Bluetooth, and 3G/4G for Connectivity



UPS-GWS01

- Intel® Pentium® N4200/ Celeron® N3350 Processor SoC
- Onboard LPDDR4 Memory, eMMC Storage
- Gigabit LAN x 2
- HDMI x 1, DP x 1
- USB 3.0 x 3, USB 3.0 OTG x 1



AIOT-ILRA01

- Intel® Cherry Trail x5-Z8350 SoC
- Up to 4G DDR3L Memory, 64G eMMC Storage
- Gigabit LAN x 1, HDMI x 1
- USB 2.0 x 4, USB 3.0 OTG x 1
- LoRa® Function Supported
- Supports Frequency Band 868 MHz



UPC-GWS01

- Intel® Cherry Trail x5-Z8350 SoC
- Onboard DDR3L Memory, eMMC Storage
- Onboard WiFi, Bluetooth
- HDMI x 1
- USB 3.0 x 1
- RS-232/422/485 x 1
- Gigabit LAN x 1



AIOT-IP6801

- Intel N3350/E3940 Processor
- Up to 4G LPDDR4 memory, 32G eMMC storage
- LAN/HDMI/USB 3.0/RS-232
- Wi-Fi, Bluetooth
- Optional: LoRa function, 3G, 4G LTE

Service for Wide Temperature Embedded Computing

Applications of embedded computing systems continue to improve the quality and convenience of our lives. As the world population increases, there are greater demands on resources and the need for automation and computing capability in remote regions will arise. To address the requirement for operating in extreme environments, computer platforms must follow design methodologies for wide temperature range operation. In addition, testing and product qualification must follow more stringent criteria to assure continuous operation. As the core of any embedded system, the CPU board plays perhaps the most critical role and therefore, requires careful design and validation for wide temperature production.

AAEON has designed and manufactured quality embedded products for over two decades. The accumulated experience in all aspects of the embedded electronics market gives AAEON a strong position in the development of wide temperature CPU boards and systems.

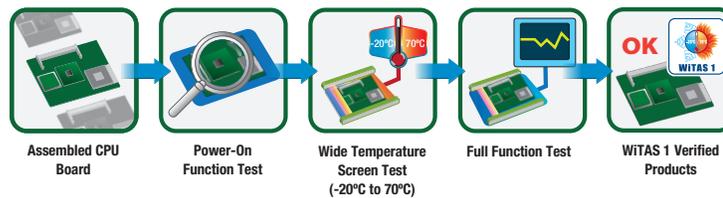
AAEON's WiTAS (Wide Temperature Assurance Service) program produces boards in two temperature range categories:

-20°C to 70°C (-4°F ~ 158°F) = WiTAS 1

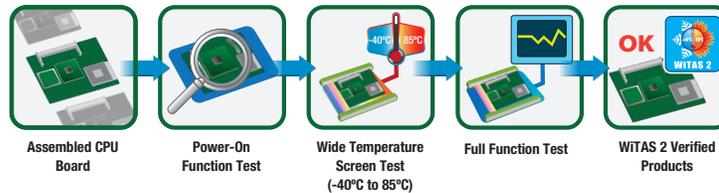
-40°C to 85°C (-40°F ~ 185°F) = WiTAS 2

Processes for WiTAS Production

WiTAS 1 Production



WiTAS 2 Production



Boards that pass the thermal tests of -20°C to 70°C (-4°F ~ 158°F) are given a WiTAS 1 designation and boards that endure the thermal of -40°C to 85°C (-40°F ~ 185°F) are assigned a WiTAS 2 designation, as AAEON's special service assurance of wide temperature durability and reliability. This, in conjunction with the use of durable components throughout the duration of the testing, allows AAEON to enhance the longevity of its boards and systems.

Application

Applications for WiTAS CPU boards can be found in most industries and markets:

- Transportation: Train, Ship, Airplane and Traffic Surveillance System
- Factory Automation: Power Station, Steel Manufacturer
- Military: Field Electronic Devices, Controller
- Energy: Windmill Controller, Solar Energy Controller
- Environmental: Climate, Water, Air Quality
- Anti-dust, Fanless Application: Medical, Chemical and Pharmaceutical Factory



IoT Introduction

AAEON IIoT is committed to the development and application of Industry 4.0 solutions in an IoT context, bringing customers a sustainable, connected and personal experience. Our services include smart city applications, intelligent fleet management and transportation solutions, smart agriculture network systems, and automation optimization platforms. We integrate versatility and flexibility in our solutions, customizing each and every one of our cases, and our systems are designed to integrate seamlessly into existing frameworks, lowering costs and enhancing efficiency. For end customers, the convenience of our designs facilitate easy operation and maintenance, eliminating bottlenecks and achieving maximum performance. As a committed service provider for smart city applications, our first priority is the development of safe, sustainable and reliable solutions. Our portfolio includes services in building management, logistics, fleet management, and agriculture, and we aim to provide for and consolidate a safer, globally connected and sustainable world.

IoT Solutions



Industry 4.0:

In a broader context, smart automation will facilitate the manufacturing process in becoming more cost effective, enhancing output and product quality and quantity. By collecting, collating and analyzing vast swathes of data, factories will be able to adapt to, and even predict future market trends, anticipating the needs of the customer.

Smart Logistics:

AAEON has optimized an asset tracking and maintenance system to rise to the challenges posed by the ever-changing landscape of the logistics industry by developing the CANBUS, a sensor which monitors tire wear and pressure, braking systems and engine output, and provides a real-time GPS tracking system which will be able to pinpoint the exact location of the car at any given time or location.



Building Management:

AAEON provides a centralized management system for smart thermostats, ventilation, humidity and lighting control, which will be able to detect the number of people in each room of a building, and adjust environment settings accordingly to accommodate the current occupants, offering maximum energy efficiency management.

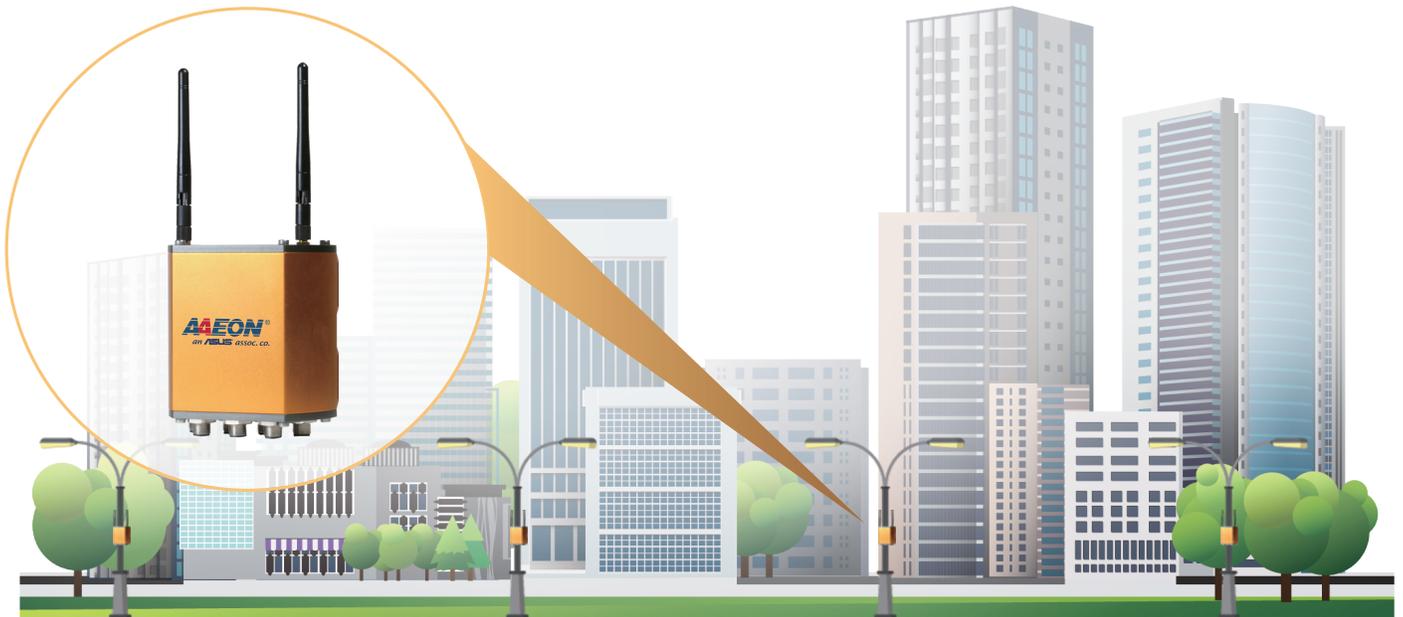
Smart City:

AAEON's Smart City Vision is to connect and improve the quality of communities through a tech-based, sustainable network aimed at eliminating factors that cause physical harm to the human body and immune system. Smart-city information and technology will enhance citizens' quality of life, as well as the infrastructure and socio-economic framework of the city.

AirBox

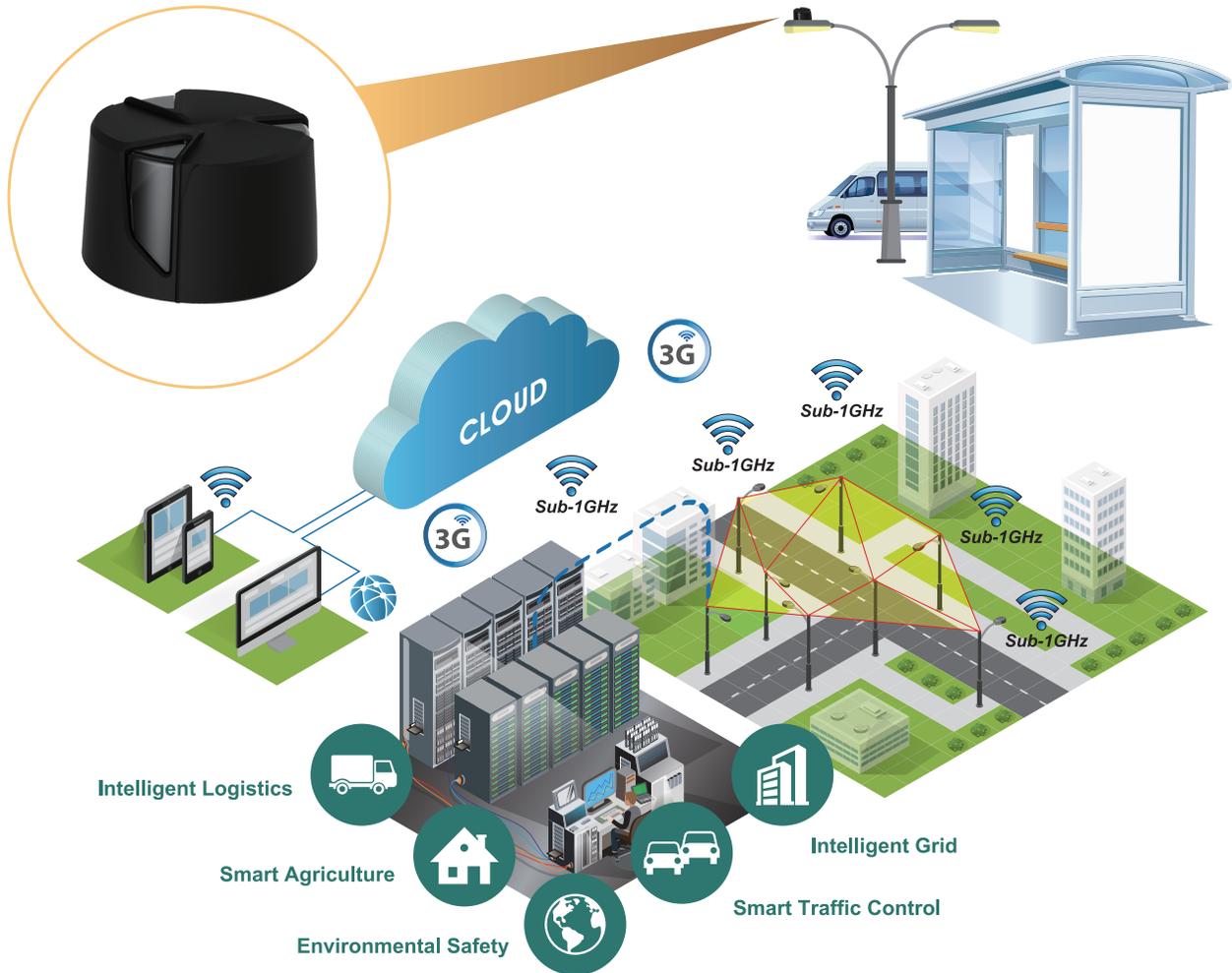
AAEON's AirBoxes are an integral part of a smart-city embedded air-sensory network, collecting and relaying real-time environmental data to city agencies and the public. In the short term, the AirBox will enable long-distance data transmission and low-energy consumption by optimizing and enhancing the transition from episodic to continual data collection and assimilation, while in the long term, it will facilitate the development of a globally connected and sustainable network.

The second generation of Airboxes is designed to be fully customizable and easily integrated with existing frameworks and architecture, with minimum configuration and/or maintenance required.



Street Lighting

AAEON's smart street lighting is designed to be one of the core features of IoT-based urban infrastructure, which utilizes smart technology to conserve and optimize energy efficiency, while eliminating emissions and the consumption of harmful gases. Each street light draws its energy source from a solar panel embedded at the top of the lamppost. The lampposts are integrated with the city's public WiFi network and are equipped with sensors that detect and collect detailed information on aerosols and then send these statistics back to a centralized cloud. All historical data is open sourced and can be accessed and downloaded by the general public.



Sub-1GHz

Wireless Communication






Low data cost, Low power consumption, Digital Sensory Network, Low signal interface



Centralized Management






Scheduled dimming, Early problem detection, Low maintenance, Improved efficiency



Energy Saving Report




Reality vs Expectations, Justified investment

Introduction

AAEON's new line of Rugged Tablet Computers (RTC) are MIL-STD-810G compliant and meet IP65 ratings. The RTC Series is built from the ground up to withstand water, dust, vibrations and shocks, as well as the extreme temperatures found in a variety of harsh conditions. The RTC product line will go wherever the job takes you. Encased in a tough magnesium alloy, the RTC Series offers secure and reliable mobile computing, whether it is vehicle mounted or hand carried into the field.

The rugged mobile computing market continues to grow as we find new ways to improve performance and productivity by enabling connectivity in the workforce. The RTC series offers up-to-the-minute information and in-field data acquisition, which makes mobile computing not just a valuable asset, but a critical requirement. Powered by low-power processors, such as Intel®, Rockchip and TI™, the RTC line delivers high performance with low power consumption. AAEON rugged tablet batteries can meet the demands of a full day's work in the field. Docking station options and vehicle chargers will keep the system up and running for multiple shift operations. These ergonomic and conveniently sized tablets are lightweight and will go with you anywhere to tackle the job on hand.

The PCAP touch screen and Advanced Optibond Technology (AOT™) allows easy and accurate data input. The programmable function keys are all standard features that make AAEON's RTC product line your best choice for mobile computing.

RTC-600A

5.7" Rugged Tablet Computer

- 5.7" HD (1280 x 720) TFT LCD 420 nits Display with LED Backlight
- TI® OMAP™ 4470, up to 1.5 GHz Processor
- LPDDR2 1GB SDRAM
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Li-Polymer High-Capacity Battery, up to 8 Hours Battery Life
- Extended Swappable Battery, MIL-STD 810G, IP67 Compliant
- GPS/ GLONASS Simultaneously
- WiFi b/g/n, BT 3.0, WWAN, 3G (Optional)
- Light Sensor/ G-Sensor/ E-Compass/ Vibration Motor
- 5MP Camera, 1D/2D BCS
- Supports NFC/RFID, Variant Extensions
- Docking Station (Optional)
- Android™ 4.2



RTC-700B

7" Rugged Tablet Computer

- Intel® Atom™ x5-Z8350 CHT-T3 Quad Core 1.84 GHz Processor
- 7" WXGA (1280 x 720) TFT LCD Display
- DDR3L-RS 1600 2GB
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Extended Battery Swappable, MIL-STD 810G, IP65 Compliant
- GPS/GLONASS Simultaneously
- WiFi a/b/g/n, BT4.0
- Support NFC/RFID, Ethernet+ COM port (optional)
- 1D/2D Barcode Scanner with Trigger Button
- MSR(Optional)/SCR (Optional)
- G-Sensor, Light Sensor, E-Compass
- Windows™ 10, Android™ 5.1
- 400 nits; Sunlight Readable (Optional)



RTC-700RK

7" Rugged Tablet Computer

- 7" WXGA (1280 x 800) TFT LCD Display, 400 nits, Sunlight Readable (Optional)
- Rockchip RK3288 1.6 GHz Quad Core Processor
- DDR3L 2GB SDRAM
- Projected Capacitive Multi-Touch Panel, Gorilla Glass
- Extended Battery Swappable, MIL-STD 810G, IP65 Compliant
- GPS/GLONASS Simultaneously
- WiFi b/g/n, Bluetooth V4.0
- Supports NFC/RFID, Ethernet + COM Port (Optional)
- 1D/2D Barcode Scanner with Trigger Button (Optional)
- MSR (Optional)/SCR (Optional)
- G-Sensor, Light Sensor, E-Compass
- Android 6.0



RTC-900B

10.1" Rugged Tablet Computer

- Intel® Atom™ E3825 1.3 GHz Dual Core Processor
- 10.1" WXGA (1280 x 800) TFT LCD Display
- Li-ion High-Capacity Battery, 7 Hours Battery Life
- WLAN 802.11 b/g/n, Bluetooth® 4.0 + EDR
- G-Sensor, Light Sensor, GPS Navigation
- Sunlight Readable (optional)
- Windows® 10/ Windows® 8.1/Windows® 7
- 350 nits/ 800 nits (optional)



RTC-1200SK

11.6" Rugged Tablet Computer

- Intel® Core™ i Dual Core up to 3.4GHz Processor/ Intel® Celeron® 3955U Dual Core 2.0GHz Processor
- 11.6" HD (1920 x 1080) Sunlight Readable Display
- One DDR3L SO-DIMM Socket, up to 8 GB
- One M.2 for SSD, 64GB as the Default
- Projected Capacitive Muti-Touch Panel
- Two Hot-swappable Batteries, 14.8V/ 2200 mAh/ 33 whr



Fully-Rugged Design

Water Proof



- IEC 60529
- IP-x5 standard

Drop Test



- MIL-STD 810G 516.6 Procedure IV

Dust Proof



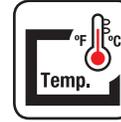
- IEC 60529
- IP-6x standard

Vibration Test



- MIL-STD 810G 514.6 Procedure I Cat. 24, Fig. 514.6E-1 & 514.6E-2
- ASTM 4169-99 Truck Assurance Level II, Schedule E

Temperature Test



- MIL-STD 810G 501.5 Procedure I & II, Method 502.5 Procedure I & II, Method 503.5 Procedure I, Method 507.5 Procedure II

Built-in Versatile Sensors

GPS



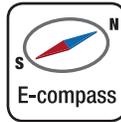
- BGA GPS single chip solution

G Sensor



- Gravity sensor

E-compass



- Electronic compass

Gyro Sensor



- Electronic gyroscopes

Outdoor Display Enhancement

AOT™ (Advanced Optibond Technology)



- The best reflection reduction of any commercially available technology
- Reinforces the LCD display, making it much more rugged



Without AOT™ With AOT™

Sunlight Readable LCD Ambient Light



- Readable content under sunlight
- Higher brightness solution
- AOT optical bonding



- Power saving in dark environments
- Detects light and brightness

Electric Input Device in Cloud...



AAEON provides Embedded OS Solutions to customers who are in need of OS customization. AAEON's Embedded OS Solutions are designed to shorten times to market and save customers' time and R&D resources.

Windows® Embedded Products

Windows 10 IoT

Windows® 10 IoT Enterprise 2016/2019

Windows Embedded 8

Windows Embedded 8.1 Industry	Windows Embedded 8 Standard	Windows Embedded 8.1 Pro	Windows Embedded 8.1 Handheld
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Windows Embedded 7

Windows Embedded Enterprise 7	Windows Embedded POSReady 7	Windows Embedded Standard 7
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Windows Embedded Compact 7

Windows Embedded Compact 7

Windows Server 2012 R2

Windows Server 2012 R2 for Embedded Systems

Hi-Safe is a free and powerful program providing SDKs for UIs running Microsoft® Windows® Operating systems. It provides an easy way to develop the end user's own UI software to monitor vital System information such as those for the processor, RAM and VGA. It monitors received data from the Super I/O, fan, temperature and voltage, offers configuration options for Digital I/O pin direction and data patterns, provides watchdog timer and fan speed settings, SMBus base address detection and device ID settings. It also offers two modes for backlight display control if one uses the LVDS interface. Based on the user interface SDK, no coding is needed and customers can create their own customized user interface by using the function codes provided by AAEON.



Hi-Safe Advantages

- ▶ **Faster time to market**
- ▶ **Easy to use**



System Information:
Displays CPU, VGA and RAM information



Smart Fan:
Retrieves fan and temperature data; sets the fan speed into the smart fan mode



Hardware Monitor:
Retrieves super I/O, fan, temperature and voltage data



SM Bus:
Read and write SMBus device and detects SMBus base address automatically



DIO:
Obtain DIO information: set the pin direction and pin data



Backlight Controller:
Controls the backlight display; two modes



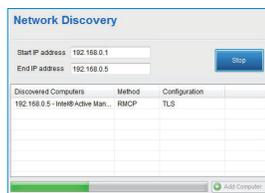
Watchdog:
Set the system reboot timer

Hi-Manager is a tool based on the Intel® Active Management Technology 11.0 (iAMT 11.0) and has backward compatibility with earlier versions of iAMT. This allows users to locate all iAMT devices within the intranet, power On/Off target devices remotely, set power On/Off scheduling, arrange device groupings for better management, offer event logs and timer settings to wake up devices at specified times, recover systems that have crashed from virtual CD-ROM, remote KVM management and access to target device hardware information for asset management. Hi-Manager can be installed on all AAEON platforms and can remotely manage AAEON client devices that use Intel® Q77, Q87, QM77, QM87 chipsets and run Microsoft® Windows® XP, Windows® 7 Operating Systems.



Hi-Manager Advantages

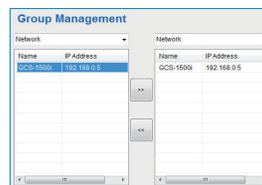
- ▶ Easy to use and build custom applications
- ▶ Supports AAEON products with iAMT
- ▶ In-depth technical support



Network Discovery:
AMT device discovery



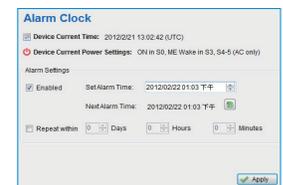
Power Control:
Powers on/off the target device



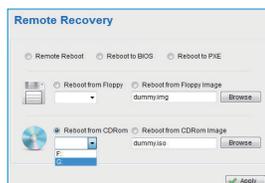
Group Management:
Arrange devices in this function



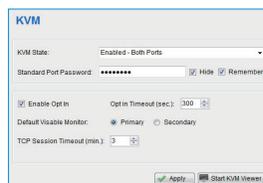
Event Log:
Logs boot records of the selected device



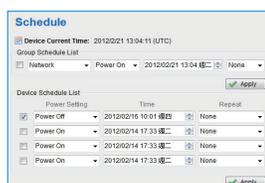
Alarm Clock:
Sets timer to wake up a sleeping device



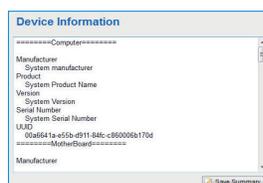
Remote Recovery:
Mounts boot image or physical CD-Rom to target device



KVM:
Controls remotely from the target device



Schedule:
Schedules the power on/off target devices



Device Information:
Shows target device assets

Intel® Active Management Technology Features

Intel® Chipset	M67/ Q77/ QM77/ HM76/ B75A/ Q87/ QM87/QM170/Q370
Intel® AMT Version	7.0/8.0/9.0/10.0/11.0
HW Inventory	✓
SW Inventory	✓
Power State Management	✓
System Defense	✓
Remote Configuration	✓
Remote Boot Option	✓
KVM Redirection	✓
KVM Remote Control	✓
ME Wake on LAN	✓
Proactive Security Block, HW-Based and Remote Management Recovery	✓
Host-Based Provisioning	✓
Enhanced System Defense Filters	✓

Design Manufacturing Service (DMS) offers exceptional end-to-end services from product conceptualization, product development to manufacturing and service programs. All services are linked together through a comprehensive process and closely monitored by dedicated professionals to guarantee the highest level in product quality, reliability and durability.

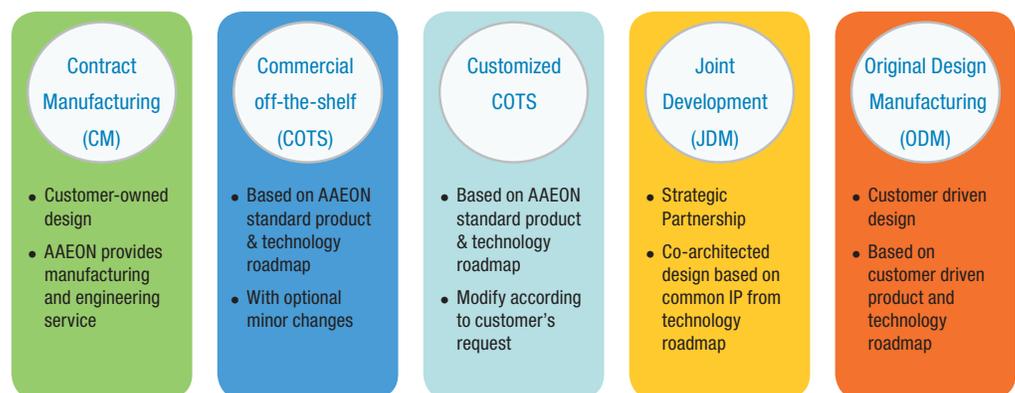
Collaboration Models



Customers can consign to AAEON the manufacturing of their existing products, customize existing AAEON COTS products, or joint develop new products with the expertise of a dedicated project team that oversees the project from product conceptualization to on-time delivery of the goods. AAEON DMS handles Large-volume as well as Low-Volume-High-Mix projects, satisfying the need of our customers for every kind of computing platform requirements.

Areas of Expertise

- Retail
- Transportation
- Energy
- Automation
- Medical and Healthcare
- Networking





Industrial HMI Touch Panel PC (AHP-1000 Series)

AAEON's AHP-1000 Series is geared towards HMI use and features a slim, fanless design, an IP65 certified plastic front panel and low power consumption CPU. Sizes range from 7" to 15" and are highly cost-effective HMI solutions for applications such as Machinery, Factory Monitoring Stations and Building Automation.



Ultra-slim Multi-Touch Panel PC (ACP-1000 Series)

The ACP-1000 Series is AAEON's first offering of ultra-slim fanless P-CAP multi-touch panels. The panels' most prominent feature, their ultra-slim design, offers superior cooling and makes them suitable for space-restricted applications. The panels can also be used with Panel and VESA mounts for installation on both vertical and horizontal surfaces.



Modular Touch Panel PC

The OMNI Series is a group of modularized industrial touch panel PCs that are highly dynamic in design and can be efficiently deployed in the manufacturing sector. AAEON offers a wide selection of premade components including 10.4"~21.5" LCD kits, a CPU BOX kit and several I/O modules to configure unique panel PCs to fulfill customer needs. Lead time is therefore greatly shortened, enhancing efficiency and effectively lowering costs as customization costs are eliminated.



Modular Touch Display

AAEON industrial displays range in size from 10.1" ~ 21.5" and have either capacitive or resistive touch screens, industrial-grade LED LCD screens, high IP-rated bezels and wide temperature specifications.



Rugged Tablet Computer (RTC Series)

AAEON's line of Rugged Tablet Computers (RTC) is MIL-STD-810G compliant and meets IP65 ratings. The RTC Series is built from the ground up to withstand water, dust, vibrations and shocks, as well as the extreme temperatures found in a variety of harsh conditions. The RTC product line will go wherever the job takes you. Encased in a tough magnesium alloy, the RTC Series offers secure and reliable mobile computing, whether it is vehicle mounted or hand carried into the field.



Fanless Embedded BOX PC

The BOXER Series is a full line of differently sized embedded controllers for use in the fields of transportation, entertainment, environmental and industrial facility monitoring, building automation and other relevant IPC areas.



Transportation Box PC

AAEON Transportation Box PCs serve as surveillance centers for retrieving video content from PoE cameras and transmitting GPS location data to control centers, as well as a source of Wi-Fi/4G connectivity and infotainment.



Machine Vision Box PC

Featuring added connectivity for camera/lighting controls as well as robotic arms, AAEON's Machine Vision Box PCs are high-performance platforms that accelerate inspections and improve production efficiency.



Network Appliance

AAEON provides high-performance Network Appliance solutions that are suitable for a range of applications including Unified Threat Management (UTM), Virtual Private Network (VPN), Intrusion Detection System (IDS), Intrusion Prevention System (IPS), Content Management (CM), and Firewall Systems.



Network Video Recorder & Mobile NVR

In addition to monitoring, recording and storing recorded videos, AAEON's Network Video Recorders are also equipped with media playback and vehicle power support and can also serve as WiFi hotspots.



AIOT Gateway

AAEON's AIOT gateway series focus on communication on multiple connectivity protocols, data mining/ collection, and edge computing in IoT environment. All series are equipped with Intel dual/quad core CPU, onboard memory, and eMMC as storage in a lightweight, palm-sized boxes. Due to variety of I/O interfaces such as HDMI, USB, COM port, Ideal applications from data collection to automation, smart retail, and smart city.



IP68 Gateway

A new generation of tough IoT gateways is allowing applications to move into the field and stay connected – no matter what the conditions. AAEON's AIOT-IP6801 provides complete protection against dirt and dust, it can be safely plunged into deep water, and it has an operating temperature range of up to -20oC~70oC. Even if you work in the dirt, you can still keep your head in the clouds.