



## *Smarter AIoT Solutions*

*Machine vision • In-vehicle computing • Robotic control • Edge AI*

**Vecow**



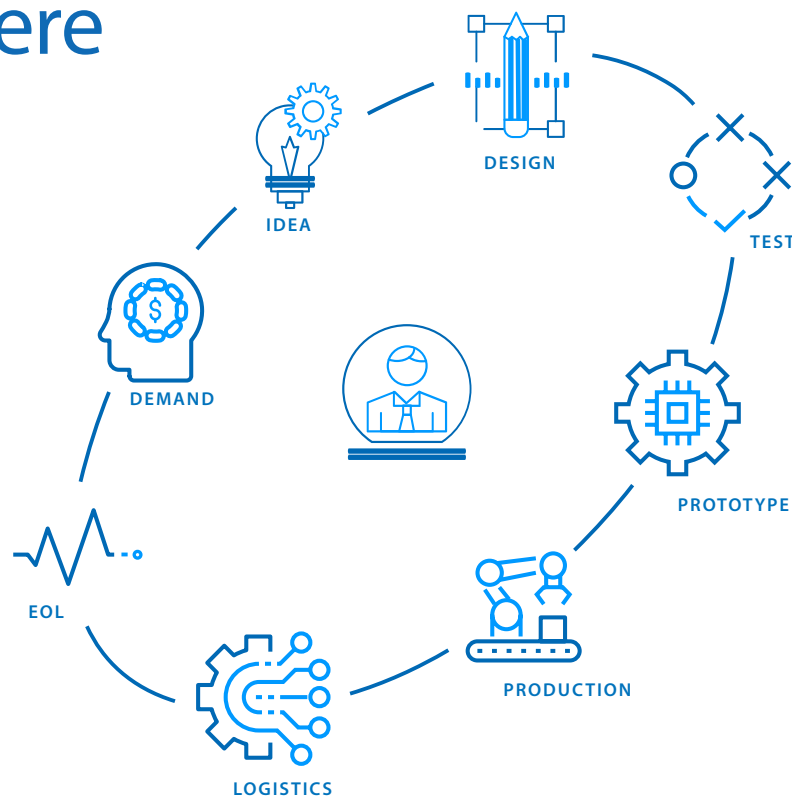
# Vecow & Alcom



Vecow is a team of global embedded experts committed to designing, developing, producing, and supplying high quality AIoT solutions with trusted reliability, advanced technology, and innovative concepts.

As Vecow's specialized channel sales partner, Alcom electronics offers standard products & custom-configured solutions that are tailored to meet "The right embedded configuration". Typical system solutions can be found for machine vision, autonomous car, robotic control, rolling stock, public security, traffic vision, smart automation, deep learning, and any Edge AI applications.

## Co-creation starts here



*Alcom considers everybody an indispensable added value in the collaborative chain with all of its partners.*



# Applications & Markets



AUTONOMOUS CAR



ROBOTIC CONTROL



ROLLING STOCK



PUBLIC SECURITY



TRAFFIC VISION



SMART AUTOMATION

## One-stop solutions



ACCELERATE  
PLATFORMS



EMBEDDED  
SYSTEMS



MULTI-TOUCH  
SOLUTIONS



INDUSTRIAL  
MOTHERBOARDS



EMBEDDED  
PERIPHERALS



DESIGN&-  
MANUFACTURING  
SERVICES

## Embedded Systems

- AI Computing Systems
- High-performance Fanless Systems
- Ultra-Compact Fanless Systems
- Expandable Robust Computing Systems
- Computer On Module
- PoE+ Embedded Systems
- M12 Embedded Systems
- 10GigE Embedded Systems
- Ethernet Switches
- Arm-based IoT Systems
- Arm-based Edge AI Computing
- Embedded Vision Camera
- Multi-Touch Panel PCs & Displays
- Embedded Motherboards






# Product Snapshot



**ECX-3000 Series**  
12th Gen Intel® Core™ i9/i7/i5/i3 Processor  
Workstation-grade Fanless Embedded System

5G 10GigE PoE 2.5G 9V-50V SW



**ECX-2600/2400/2200 PEG**  
10 Cores 10th Gen Intel® Xeon®/Core™ i9/i7/i5/i3  
Workstation-grade AI Computing System

PEG 250W 9V-50V SW WiFi 6 5G





**HPS-1000 Series**  
AMD Ryzen™ PRO 5000 Series Processor  
High-performance Embedded System

AMD RYZEN PRO 5G 25GigE PoE 9V-50V



**SPC-7100/7000 Series**  
11th Gen Intel® Core™ i7/i5/i3 (Tiger Lake)  
Ultra-Compact Fanless System

2.5G TSN 9V-55V




**Rugged Engines for Railway Applications**




EN30159 EN50455 M12 UPS 16V-160V Isolation



**DVC-1000**  
Industrial – grade 3D Vision Camera

intel **REALSENSE**

SEARCH SYSTEM  
SEARCH COMPLETE  
SELECT ITEMS  
OK

Vecow

OBJECT: CHIPS  
MEASUREMENT: 50(L)x170(W)x230(H)mm  
SEARCH: COMPLETE

3D

**EAC-3000 Series**  
NVIDIA® Jetson AGX Xavier™ Edge AI Computing System

NVIDIA GMSL CAN SW 9V-50V

**AIC-100 Series**  
NXP i.MX6ULL Arm Cortex-A7 Processor  
Compact Industrial IoT Gateway

arm CAN SIM 9V-50V

**EIC-1000**  
Arm-based Rockchip Edge Computing System  
Android & Linux Debian OS Supported

arm 4K 9V-55V 0°-70°

Smarter AIoT Solution Services

**MTC-7000/8000 Series**  
High-Performance & Energy-Efficient  
10.1"/15"/15.6"/21.5" Multi-Touch Computer

# New product releases

## COMPACT EDGE AI PLATFORM

Powered by the NVIDIA® Jetson AGX Xavier™ system-on-module, Vecow EAC-3000 is compact, rugged and power-efficient for industrial-grade applications that need trusted reliability and performance in harsh environments. With support for 9V to 50V wide range DC-in, operating temperature range from -20°C to 70°C, along with GMSL technology.



## 12TH GEN INTEL CORE I9/I7/I3 PROCESSOR BASED FANLESS EMBEDDED SYSTEM

Powered by 12th generation 16-core Intel® Core™ i9/i7/i5/i3 processor (Alder Lake) with Intel® 600 Series chipset, fanless -40°C to 75°C operating temperature, multiple 10G LAN/2.5G LAN/GigE LAN/SIM socket configuration, max 6 USB 3.2 Gen 2 connections supporting up to 10Gbps data rate, outstanding system performance, 5G/WiFi 6/4G/3G/LTE/GPRS/UMTS mobile availability, 9V to 50V power input.

## ECX-2200/2100 RUGGED EXPANDABLE EMBEDDED SYSTEM

Vecow released the ECX-2200/2100 Series, their latest Expandable Embedded System powered by 10th Gen Intel® Xeon®/Core™ i9/i7/i5/i3 Processor. The expandable embedded system includes industrial-grade features such as rugged X-coded M12 PoE+ GigE LAN port, 9V to 50V DC-in, fanless design, and support for -40°C to 75°C extended operating temperature.



## AMD RYZEN PRO 5000 SERIES PROCESSOR (CEZANNE) EMBEDDED SYSTEM

The HPS-1000 with AMD Ryzen™ PRO 5000 Series processor combines workstation-grade performance, reliable connections and low power consumption to optimize enterprise deployment across a wide range of industrial applications including Factory Automation, In-Vehicle Computing and Autonomous Robot, any AIoT/Industry 4.0 applications.

## ULTRA-SLIM FANLESS EDGE AI SYSTEM

ABP-3000 AI is powered by 8th Gen Intel® Core™ U-series processor delivering up to 40% greater productivity than the former generation. ABP-3000 AI features a fanless and cable-less design making it ideal for space-limited environments. Incorporating with AI accelerator to support up to 26 Tera-Operations Per Second (TOPS), ABP-3000 AI provides high-performance computing capability to fulfil the needs of AI applications.



## IP65 RUGGED INDUSTRIAL DISPLAYS

The MTD-6000 industrial displays hold an IP65 ingress protection rating and are easy to install, making this series ideal for smart manufacturing, intelligent surveillance, and other applications requiring protection from dust and water. The MTD-6000 series also withstands a wide temperature range, from 0°C to 50°C, and they provide VGA and DVI video connection with lockable screws to ensure secure attachment.



# Alcom product portfolio

ELECTRONIC COMPONENT SOLUTIONS	WIRELESS EMBEDDED CONNECTIVITY & SENSORS	WIRELESS & INDUSTRIAL CONTROLS NETWORKING	DISPLAY & TOUCH
LED & SOLID STATE LIGHTING	POWER & EMC	RUGGED MOBILE COMPUTING	EMBEDDED SYSTEMS, AI & EDGE COMPUTING

- Semiconductors
- Frequency & timing
- Power management
- Circuit protection & discretes
- Magnetics
- Passives & electromechanical
- Connectors & cable assemblies
- Photonics

- Wireless modules
- Antenna's
- Sensors

- Routers & gateways
- Wireless embedded computers
- Industrial ethernet and IP variations
- Wired & wireless machine networking
- Antenna's
- Device to cloud solutions
- Connectivity & remote management services
- Networking & connectivity

- Displays
- Touch screens
- Optical bonding
- Total display solutions

- LED light sources
- Optics
- Thermal management
- Power & intelligent controls
- LED modules

- AC/DC power supplies
- DC/DC converters
- Power management modules
- Wireless charging
- E-mobility solutions
- Transformers & power inductors
- UPS
- EMC filters

- Tablets
- PDA's
- Vehicle mount computers
- Accessories

- Computer-on-modules
- Embedded boards
- Industrial PC & automation
- System integration

*Bridging the gap between technology, people and business with a human interface.*





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## Get to know us

### ALCOM PROVIDES THE WORLD'S MOST ADVANCED TECHNOLOGIES.

With a team of like-minded entrepreneurs, Alcom will continue to inspire its valued customers to use advanced innovative building blocks in vertical markets. The importance of providing high-level services and a human interface based on specialism, knowledge and design-in expertise will remain key differentiators.

Alcom is positioned for growth. We invite all our customers to discuss their current and future concepts and designs. Let's connect, work and grow together.

