

Rugged and Compact High Performance Fanless AI Computing System



ECX-3200

Trusted AI Edge Solution for In-Vehicle Computing and Industrial Intelligence

The Vecow [ECX-3200/3100 Series](#) is a workstation-grade, expandable, fanless embedded system engineered for high-performance AI at the edge. Powered by Intel® Core™ processors with an Intel® R680E chipset, the platform delivers the compute headroom needed for real-time analytics, vision inference, and autonomous decision-making. Its compact, rugged and fanless design supports -40°C to 75°C operation, while a wide 9V to 50V power input and software ignition power control enable reliable deployment in vehicles and mobile environments. Rich I/O—including 4X-coded M12 2.5GbE PoE+ ports, USB 3.2 with Type-C, SIM sockets for seamless 5G/Wi-Fi/cellular mobile availability, and one PCIe expansion slot with 200W power budget supports versatile configurations and easy integration. With smart manageability and trusted reliability, the ECX-3200/3100 Series is an ideal solution for machine vision, robot waiters, rolling stock, AMRs, smart retail, vehicle computing, and any AIoT/Industry 4.0 applications.



Key Features



Workstation-Grade
Performance



Compact
Integration



Industrial-Grade
Reliability



Pragmatic
Configurations



Intel Products & Technology



[Intel® Core™
Processors](#)



[Intel® Ethernet](#)



[Intel vPro®
Technology](#)



[OpenVINO™
Toolkit](#)



[Intel® Iris® Xe
Graphics](#)

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