

Next-Gen Vehicle Edge Computing Powered by Intel® Core™ Ultra Processors



IVS-50P0

High-Performance Rugged Computing for Edge AI & Mobility

Modern smart transportation and industrial edge applications demand high-performance computing, reliable real-time connectivity, and continuous operation in harsh environments. Traditional computing platforms often struggle with severe power fluctuations, extreme temperatures, and limited expansion for modern wireless technologies.

Powered by the latest Intel® Core™ Ultra Series 3 processors with up to 64GB DDR5 memory, this embedded edge system delivers exceptional AI processing capability and power efficiency. Designed for rugged applications, it features a 9–55 VDC wide-range power input with ignition control, -20°C to 60°C operating temperature, and isolated CAN Bus and DIO interfaces.

With rich I/O including 2.5GbE LAN with optional PoE, dual front-access 2.5" SSD bays, and flexible M.2 expansion for 5G, Wi-Fi, and NVMe SSDs, it provides seamless data transmission and storage redundancy. It stands out as an all-in-one, ultra-reliable solution for smart transit, fleet management, and rugged edge AI deployments.

Everfocus x intel.
Your Safety, Our Focus

**Edge AI computer
powered by
Intel® Core™
Ultra processors,
featuring 9-55V
ignition power,
CAN FD, and
2.5GbE PoE**

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



Intel® Arc™
Graphics



OpenVINO™
Toolkit



Intel® oneAPI
Toolkit

Key Features

Empowered by Intel.



Intel® Core™ Ultra CPU



2.5GbE LAN & 30W PoE

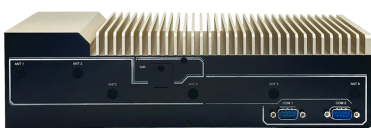


9-55V Power & Ignition



Industrial Rugged Design

EverFocus IVS-50P0



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	Intel® Core™ Ultra Series 3 processors
Graphics	Intel® Arc™ A-Series Graphics (Integrated)
Memory	2 x DDR5 SO-DIMM
Storage	2 x 2.5" SSD Bays, 1 x M.2 Key M (2280)
Wireless Network	Optional 4G LTE, 5G, Wi-Fi
LAN	2 x 2.5GbE LAN, 2 x 2.5GbE PoE (IEEE 802.3af, Total 30W, Optional)
Operating / Storage Temp.	-20°C ~ 60°C / -40°C ~ 80°C
Dimension (W x D x H)	224mm x 173.6mm x 94 mm
Weight	3.2kg
OS	Windows 11 (64-bit), Ubuntu 24.04 LTS & above (64-bit)
I/O (Input/Output)	(Output) COM/CAN FD/USB/DIDO/HDMI/DP

Learn More

[EverFocus IVS-50P0](#)