

BRAV-7820: Powering Next-Gen MEC Edge Intelligence



Compact MEC Edge System for Transport, Vision, and Logistics

The [BRAV-7820](#) is a high-performance MEC edge computing system powered by Intel® Core™ Ultra processors (featuring both Series 1 and Series 2), supporting up to 96GB DDR5 RAM. It addresses the growing demand for low-latency, real-time processing in applications such as smart transportation, machine vision, and intelligent logistics.

Designed for harsh industrial environments, the BRAV-7820 features dual HDMI 2.1 display outputs, 2.5G + 1G Intel LAN, and rich I/O for connectivity. It supports modular expansion through M.2 B-key, E-key, and dual M-key slots—for 5G/Wi-Fi 6, NVMe SSDs, or 10G LAN. The system integrates Intel® Arc™ GPU and Intel® AI Boost NPU (13 TOPS), accelerating AI workloads with OpenVINO™ and ONNX RT.

With wide-temp tolerance (-20°C to 65°C), active fan cooling, and a rugged aluminum-magnesium chassis, the BRAV-7820 delivers high compute density, excellent scalability, and reliable performance for edge AI and intelligent transportation.

Key Features



Three AI Engines:
CPU+iGPU+NPU



Flexible
Expansion



Wide-Temp
Operation:
-20°C to 65°C



Industrial-Grade
Reliability Design

Intel Products & Technology



[Intel® Core™ Ultra Processors](#)

[Intel® Neural Processing Unit \(Intel® NPU\)](#)



[Intel® Iris® X^e Graphics](#)

[Intel® AI Boost](#)

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