

Unleashing Edge AI with CPU + GPU Dual Power



JHCTECH BRAV-7722

JHCTECH × intel ai

Empowering AI at the Edge for Transportation, Vision & Security

BRAV-7722 is a high-performance edge AI computing system powered by 12th/13th/14th Gen Intel® Core™ processors with the Intel® Q670 Chipset. Designed to address challenges in smart transportation, machine vision, unmanned driving, intelligent security, and digital healthcare, it supports up to 192GB DDR5 RAM and dual GPU architecture (integrated + MXM discrete). It features rich I/O including three LAN, three HDMI and one DP, multiple USB/COM ports, and NVMe SSD support. With flexible expansion via M.2, Mini PCIe, and optional BMC for remote management, it enables realtime AI inference and data processing. Its rugged construction, wide-temperature tolerance (-20°C to 60°C), and 19V DC input with protection circuits ensure stable operation in harsh edge environments. BRAV-7722 stands out through high compute density, multi-network capability, and scalability — making it ideal for smart city infrastructure and V2X solutions.

**Scalable AI Edge
System with
Intel® Arc™ GPU
acceleration up to
262 TOPS**

Intel Product and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Processors



Intel® Ethernet



OpenVINO™

Key Features

Empowered by Intel.



Multi-GPU
Support



Supports 4G
LTE & 5G NR
Modules



MEC-Optimized
I/O Design



Remote
Management

JHCTECH BRAV-7722



Product Specifications

CPU	12th/13th/14th Generation Intel® Core™ processors i9/i7/i5/i3/Pentium®/Celeron® LGA1700 CPU, Intel® Q670 Chipset
Graphics	Intel® UHD Graphics, Supports DirectX 12, OpenGL 4.5, OpenCL 3.0, HDMI max res: 7680*4320@60Hz
Memory	Dual-Channel 4*DDR5 4800/5600MHz, up to 192GB
Storage	2*2.5" HDD/SSD SATA3 (supports RAID 0/1), compatible with high-capacity dual 15mm HDDs, with transfer rates up to 6 Gbit/s 1*M.2 2280 M-key(PCIeX4 signal), support NVMe ultra-high speed SSD storage; 1*mSATA (optional with Mini PCIe)
Wireless Network	1*M.2 Type 3042/3052 B-key (PCIe x1, USB2.0 + SIM), supports 5G NR and is backward compatible with 4G LTE
LAN	2* Intel® Ethernet Controller I210-AT, support 10/100/1000Mbps adaptive; 1*Intel® Ethernet Controller I210-AT, optional support for IPMI remote management (with B2400 BMC module)
Operating / Storage Temp.	-20°C~60°C (35W CPU), with airflow / -40°C~85°C
Dimension (W x D x H)	330mm x 240mm x 100mm
Weight	6.70 kg
OS	Windows 10/11 / Linux

Learn More

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