

Maximize Edge Computing with 12 P-Core Performance



CMI221-BTL-12P

High-Performance Networking Solution Optimized for Single-Threaded Tasks

The IBASE CMI221-BTL-12P is specifically engineered to address the intensifying networking and communication workload challenges in edge computing. Traditional systems often face performance bottlenecks when handling intensive encryption/decryption tasks. Powered by the Intel® Core™ 200PE processor and Intel® R680E PCH, this solution leverages robust single-threaded performance to significantly boost data throughput and optimize load balancing.

Enterprises deploying this system benefit from superior processing power that meets the demands of network security and real-time data analytics. Key selling features include support for up to 12 P-cores, triple M.2 expansion slots, and dual DisplayPort outputs. Differentiating itself from other market offerings, the CMI221-BTL-12P demonstrates exceptional operational stability with its P-core only configuration, making it the ideal choice for dedicated networking applications, cryptographic computing, and high-performance edge AI deployments.

iBASE × **intel**

***Accelerated
cryptography
and intelligent
load balancing
for Next-Gen
networking***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Processors



Intel® R680E
Chipset



Intel®
Ethernet



Intel® Iris® X^e
Graphics

Key Features

Empowered by Intel.



High-Speed Performance



Triple M.2 Storage Slots



Dual Display Output



Built-In Safety Tools

IBASE CMI221-BTL-12P



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	Intel® Core™ 200PE processor
Graphics	Integrated Intel® Iris® X ^e Graphics
Memory	2x DDR5-5600 SO-DIMM, Max. 64GB
Storage	2x M.2 M2280/1x 2.5" SSD
Wireless Network	1x M.2 E-Key (Supports WiFi7)
LAN	2x 2.5G LAN
Operating / Storage Temp.	0°C~45°C / -20°C~80°C
Dimension (W x D x H)	198mm x 235mm x118mm
Weight	3.2kg
OS	Windows 11 IoT Enterprise LTSC, Windows Server
I/O Options (Input/Output)	UARTs

Learn More

[IBASE CMI221-BTL-12P](#)

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