High-Performance Modular IPC for Industrial Edge Computing



SIMATIC IPC BX-59A/56A

Flexible Industrial IPC for Edge AI Workloads

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Industrial companies increasingly need to process more data at the edge while maintaining system reliability, scalability, and long-term availability. The SIMATIC IPC BX-59A addresses these challenges with a modular, high-performance industrial Box PC designed for automation, machine vision, AI inference, and edge computing applications.

Powered by the latest Intel® processor technology, the SIMATIC IPC BX-59A delivers the computing performance required for data-intensive workloads while supporting flexible configuration of storage, networking, and I/O options. Its modular architecture enables customers to tailor systems to specific application needs, reducing engineering effort and simplifying deployment. Built with industrial-grade components, the platform supports reliable 24/7 operation in demanding environments.

Compared with conventional fixed-configuration IPCs, the SIMATIC IPC BX-59A offers greater scalability, easier customization, and improved lifecycle flexibility, helping customers accelerate digital transformation while reducing total cost of ownership and facilitating future system upgrades.

Supports high-power GPUs for AI, vision, and edge computing applications

Intel Products and Technologies

Accelerating AI and Analytics at the Edge

Intel® Core™ Processors

Intel vPro® Technology

In cooperation with

SIEMENS

Key Features

Empowered by Intel.

- High-Performance Edge computing
- Flexible Connectivity & Expansion
- Modular System Customization
- Reliable 24/7 Industrial Operation

Siemens SIMATIC IPC BX-59A/56A





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Intel® AI Edge Systems

Product Specifications

CPU	Intel® Core™ i3/i5/i7/i9 Processors
Graphics	Intel® UHD Graphics
Memory	Up to 64GB DDR5
Storage	512GB/1TB/2TB M.2 SSD and 1TB 2.5'' SSD depends on configuration selection
Wireless Network	5G ready (extended by flex module port)
LAN	Up to 4 × RJ-45 Ethernet Port for 10/100/1000Mbps LAN RJ45 Connector
Operating / Storage Temp.	0°C ~ 55°C (base module with fan)/ -20°C ~ 60°C
Dimension (W x D x H)	194mm x 234mm x 116mm
Weight	4010g min
OS	Windows/industrial edge
I/O (Input/Output)	2*flex module ports

Learn More

Siemens SIMATIC IPC BX-59A/56A

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