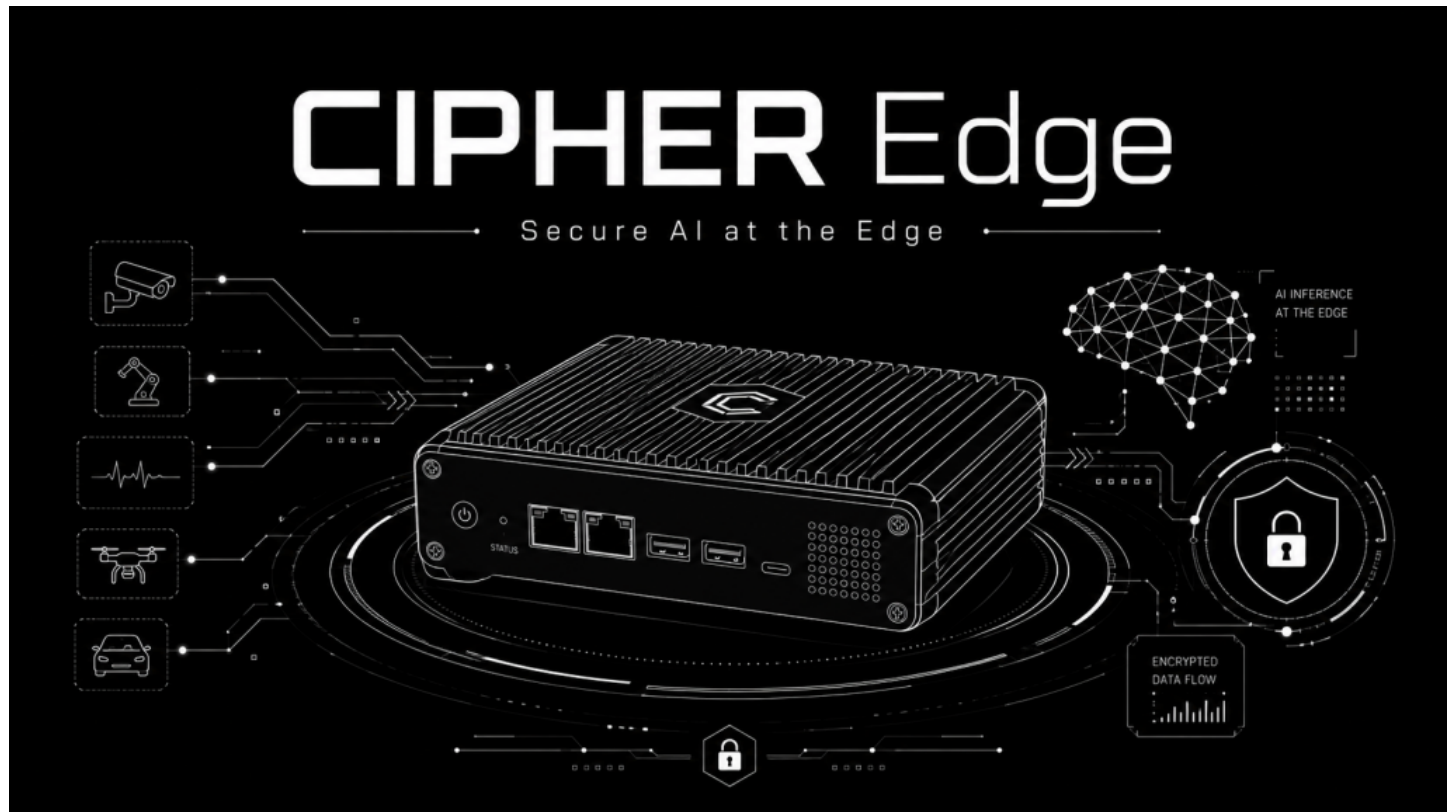


Blockchain Computer Launches Cipher Edge, a Secure AI Computing Device for the Edge

New hardware platform combines local AI processing, cryptographic identity, post-quantum security, and policy-controlled authorization.



Wilmington, Delaware Jul 20, 2026 ([Issuewire.com](https://www.issuewire.com)) - Blockchain Computer Inc., a deep-technology company developing trust infrastructure for autonomous artificial intelligence, today announced the launch of **Cipher Edge**, a physical computing platform designed to securely run and [govern AI systems](#) directly at the edge.

Cipher Edge enables organizations to process sensitive data locally instead of continuously sending it to centralized cloud platforms. The device is designed for environments where privacy, low latency, security, operational continuity, and data sovereignty are critical.

“Artificial intelligence is moving into vehicles, factories, robots, defense systems, buildings, and critical infrastructure,” said [Justin Malonson](#), **Founder and Chief Architect of Blockchain Computer**. “Cipher Edge is designed to ensure that AI operating in the physical world remains secure, authorized, accountable, and under organizational control.”

Secure AI Beyond the Cloud

Traditional AI infrastructure often depends on cloud connectivity and external data processing. [Cipher Edge](#) brings AI execution closer to where data is generated, reducing network dependence and helping organizations maintain control over proprietary or regulated information.

The platform is designed to support:

- Local and private AI inference
- Autonomous AI agent execution
- Device and workload identity
- Policy-based access control
- Cryptographic hardware attestation
- Verifiable credentials and consent
- Post-quantum-resistant communications
- Offline and intermittently connected operations
- Tamper-evident activity records

Before an AI agent or connected system is allowed to act, Cipher Edge can evaluate its identity, credentials, permissions, and applicable organizational policies. This allows businesses and institutions to define which agents may access data, control devices, process information, or execute specific actions.

Powered by Blockchain Computer

Cipher Edge integrates with Blockchain Computer's broader trust architecture.

CIPHER binds identity, credentials, permissions, policies, and device attestations into verifiable authorization proofs.

Sovereus converts human, organizational, and regulatory requirements into machine-enforceable consent and access policies.

SINT evaluates risk across agents, devices, credentials, and transactions to determine whether access should be approved, restricted, challenged, or denied.

Together, these technologies allow Cipher Edge to function as both an AI computing device and a secure governance environment for autonomous systems.

Built for Mission-Critical Environments

Cipher Edge is being developed for use in:

- Defense and national security
- Critical infrastructure
- Energy and utilities
- Healthcare
- Advanced manufacturing
- Robotics and autonomous systems
- Financial services
- Telecommunications
- Smart buildings and connected devices

The platform is also being designed around a crypto-agile, post-quantum security architecture intended to protect machine identities, communications, credentials, and authorization records against emerging threats.

Cipher Edge expands Blockchain Computer's trust infrastructure from digital networks into real-world devices and physical systems, creating a secure connection between humans, organizations, AI agents, machines, and data.

About Blockchain Computer

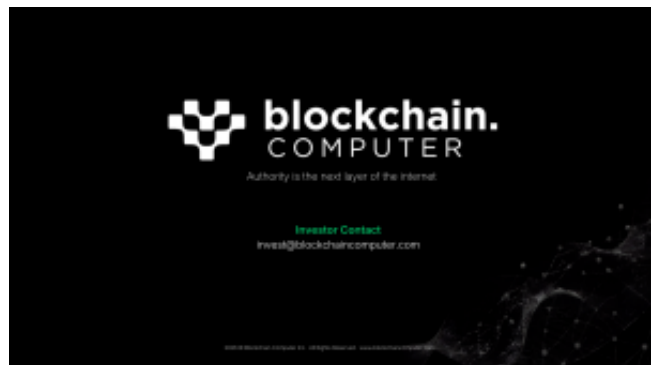
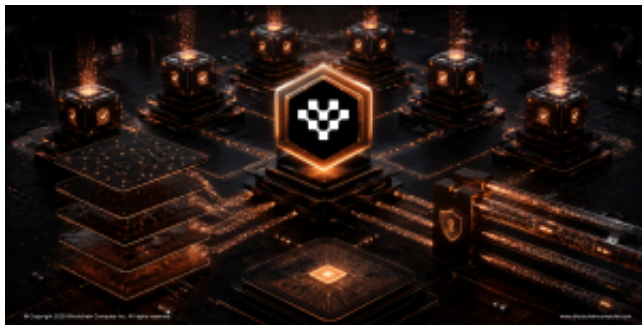
Blockchain Computer Inc. is a deep-technology company developing trust infrastructure for autonomous artificial intelligence, decentralized systems, and secure edge computing. Its technology combines verifiable identity, programmable consent, policy-enforced authorization, zero-knowledge proofs, post-quantum cryptography, distributed systems, and physical edge hardware.

Blockchain Computer Inc.

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Cipher Edge and related product capabilities remain subject to continued development, testing, validation, and commercial availability.



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Source : Blockchain Computer Inc.

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