NEXCOM's FTA 5190 AI Server Powers Enterprise Cybersecurity at the Edge

Next Evolution in Edge Computing Infrastructure Combines Power, Connectivity, and Built-in Intelligence in a Compact Design

FREMONT, CA, UNITED STATES, July 2, 2025 /EINPresswire.com/ -- NEXCOM, a leading global supplier of network appliances, announced today the launch of the FTA 5190. The powerful Edge AI server is designed to meet the growing demand for intelligent edge infrastructure, powering high-performance cybersecurity and AI acceleration. Built for AI at the edge, it accelerates cryptographic operations and compression tasks, boosting throughput for secure SD-WAN, SASE, and zero-trust network architectures, reducing latency, and increasing overall system efficiency to strengthen cybersecurity.

FTA 5190
Compact Edge Server for AI Acceleration and Secure High-speed Networking

"The NEXCOM FTA 5190 is a highly efficient and compact platform designed for intelligent, secure, and scalable services at the network edge," said Peter Yang, President of NEXCOM. "From AI-powered analytics to encrypted data flows and high-speed routing, the FTA 5190 represents the next evolution in edge computing infrastructure."

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>
> *Peter Yang, President*

Powered by the 36-core Intel® Xeon® 6 SoC, the FTA 5190 delivers more power, ultra-fast connectivity, and built-in intelligence within a space-efficient 1U rackmount chassis. Built for AI cybersecurity at the edge, the FTA 5190 integrates Intel® Advanced Matrix Extensions (Intel® AMX) to accelerate AI inference and smart workloads directly on the server. It also features Intel® QuickAssist Technology (QAT) Gen5.

"With a mix of powerful hardware and rich features in a compact design, the NEXCOM FTA 5190 delivers top-tier performance within space-constrained environments. It is purpose-built for high-density deployments, making it an ideal solution for service providers, telecommunications companies, and enterprise IT teams looking to build more secure, intelligent, and scalable edge infrastructure," said Yang.

The FTA 5190 supports LAN module extension up to 100GbE through the Intel® Ethernet Controller E810, fully optimized with DPDK to boost packet throughput for high-speed data processing. It features a combination of eight 25GbE SFP+ and eight 1GbE RJ45 ports, delivering a more flexible and powerful interface for data-intensive applications, including 5G core, multi-access edge computing (MEC), and cloud-native edge services.

To learn more, please visit the [NEXCOM website](#)

Features:
- Intel® Xeon® 6556P-B SoC processor, 36 cores
- 4 x DDR5 6400 ECC RDIMM, up to 128GB
- 1 x M.2 Key M 2280 NVMe SSD (PCIe 4.0/5.0)
- 2 x M.2 Key M/B 2242 SSD
- 8 x 25GbE SFP+ ports
- 8 x 1GbE RJ45 ports
- 1 x LAN module slot, supports: 1 x PCIe 4.0 x16

About NEXCOM
Founded in 1992, NEXCOM integrates its capabilities and operates eight global businesses, which are Industrial Mesh, Intelligent Platform @ Smart City, Intelligent Video Security, Mobile Computing Solutions, Medical and Healthcare Informatics, Network and Communication Solutions, Smart Manufacturing, and Open Robotics and Machinery. This strategic deployment enables NEXCOM to offer time-to-market, time-to-solution products and services without compromising cost.

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