



Network & Communication Solutions

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Edge AI and 5G

Leveraging the power of AI at the Edge, NEXCOM's solutions empower organizations to process data closer to its source for latency sensitive applications.

The portfolio includes desktop 5G uCPE and Edge servers with AI extensions, offering flexible options based on CPU cores, power consumption, port counts, and wireless connectivity.

Cloud and Core

NEXCOM's mainstream and high-performance appliances are designed to handle heavy workloads and big data, supporting virtualization for VNF and software-defined applications.

The 1U and 2U rackmount lineup features multi-core processors for exceptional performance, flexible LAN module options, and 5G high availability.

Edge AI

RU
Radio Unit

Aggregation
Router

DU
Distributed Unit

CU
Centralized Unit



Edge Server



uCPE



OT Security



SASE



5G Security

OT Security

NEXCOM's OT security solutions combine wide-temperature, rugged designs with mission-oriented platforms to enable zero-trust networks at the industrial edge.

The lineup includes gateways of different sizes, dual 5G/Wi-Fi routers, and high-density TSN switch, delivering reliable performance in harsh industrial network environments.

Cyber Security

NEXCOM delivers a comprehensive lineup of cybersecurity appliances to protect SMB to enterprise networks. Select models feature PQC, NEXBOOT dual-layer failover, NEXLOCK

firmware-level I/O security, TPM, and OpenBMC, with AI expansion for advanced threat detection. Rackmounts adopt Ethernet bypass LAN modules for 5G network protection.

About NEXCOM

Network and Communication Solutions

Founded in 1992, NEXCOM integrates its capabilities and operates six global businesses, including the Network and Communication Solutions (NCS) unit. NCS focuses on the latest network technology and helps to build reliable network infrastructure, by delivering professional design and manufacturing services for customers all over the world.

Diverse range of network appliances delivers scalable performance, empowering businesses of all sizes to build resilient, high-performance networks. NCS provides software-defined platforms for cybersecurity, OT security, 5G uCPE, edge AI, SD-WAN, SASE, load balancing, storage, NVR, and other network applications.

Expansion Cards

NSK 6404-NVME

Storage Adapter with 4 x M.2 Key M slots for NVMe

- Interface: PCIe 5.0 x16
- Up to 4TB per one NVMe SSD

NSK 1000-OCP-EX

OCP 3.0 High-Speed Ethernet NIC Adapter

- Interface: PCIe 5.0 x16
- Supports 200/400/800GbE OCP 3.0 NIC

LAN Modules

NL Series

200GbE LAN Modules with 1 x QSFP56 Fiber Port

- Controller: Intel®/NVIDIA®
- Interface: PCIe 5.0 x8/PCIe 4.0 x16



NC Series

100GbE LAN Modules with 2 x QSFP28 Fiber Ports

- Controller: Intel®/NVIDIA®
- Interface: PCIe 4.0 x16



NV/NX Series

25/10GbE LAN Modules with up to 4 fiber/copper ports

- Controller: Intel® E810/XL710/E610
- Interface: 2 x PCIe 4.0 x4/PCIe 4.0 x16/PCIe 3.0 x8



ND/NI Series

2.5/1GbE LAN Modules with up to 8 fiber/copper ports

- Controller: Intel® I226/I350
- Interface: PCIe 2.0 x8/2 x PCIe 2.0 x4/PCIe 2.0 x4



Cyber Security

DNA 141

- Intel Atom® x7203C processor, BGA type
- 1 x DDR4 3200 SO-DIMM, up to 32GB
- eMMC 32GB onboard
- 4 x 2.5GbE RJ45 ports



NSA 1180 Developing

- Intel Atom® P6900 SoC processor, 16 cores
- 2 x DDR5 5600 UDIMM, up to 64GB
- 4 x 25GbE & 4 x 10GbE SFP+ ports
- 8 x 2.5GbE RJ45 ports



NSA 3200

- 14th Gen Intel® Core™ processor
- 2 x DDR5 5600/4800 UDIMM, up to 64GB
- 8 x 2.5GbE RJ45 & 4 x 10GbE SFP+ ports
- 1 x PCIe 4.0 LAN module slot



NSA 7160R

- Dual 5th/4th Gen Intel® Xeon® scalable processor
- 16 x DDR5 4800/5600 ECC RDIMM
- 8 x PCIe 5.0 LAN module slots
- 1 x PCIe 4.0 x16 slot with CXL1.1 for FHFL card



Cloud & Core

NSA 6310

- NXP® LX2160A/LX2120A/LX2080A processor
- 4 x DDR4 ECC-UDIMM, up to 64GB
- 4 x 1GbE RJ45 ports
- 2 x SerDes LAN module slots



NSA 5200

- 14th Gen Intel® Core™ processor
- 2/4 x DDR5 4400/3600 UDIMM, up to 128GB
- 1 x M.2 Key M 2280 NVMe SSD slot
- 4 x LAN module slots



FTA 5190

- Intel® Xeon® 6 SoC processor
- 4 x DDR5 6400 ECC-RDIMM, up to 128GB
- 8 x 25GbE SFP28 & 8 x 1GbE RJ45 ports
- 1 x PCIe 4.0 x16 LAN module slot



NSA 7400 Developing

- AMD EPYC™ Turin (Zen 5) SP5, up to 128 cores
- 12 x DDR5 6000 ECC RDIMM, up to 768GB
- 8 x PCIe 5.0 LAN modules slots
- 1 x PCIe 5.0 x16 FHFL DW/2 x PCIe 5.0 x8 FHFL SW



Edge AI and 5G

DTA 1600

- MediaTek® MT7988A CPU, 4 Arm Cortex-A73 cores
- Onboard DDR4, default 4GB
- 1 x 10GbE SFP+ port
- 1 x 2.5GbE & 4 x 1GbE RJ45 ports



DTA 1164W Series

- Intel Atom® processor C3436L SoC processor, BGA type
- 1 x DDR4-2400 ECC memory slot, up to 16GB
- 6 x 1GbE RJ45 & 2 x SFP ports/8 x 1GbE RJ45 ports
- 65/36W power adaptor



DFA 1163 Series

- Intel Atom® C3558R/C3758R SoC processor, BGA type
- 2 x DDR4 ECC RDIMM/UDIMM slots, up to 64GB
- 1 x 10GbE SFP+ port
- 12 x RJ45 ports (with optional PoE+ support)



DNA 140

- Intel Atom® x7433RE SoC processor, BGA type
- 4 x 2.5GbE RJ45 & 1 x 1GbE MNGT RJ45 ports
- 2 x M.2 3042/3052 for 4G LTE/5G (FR1) module
- 1 x mini-PCIe slot for Wi-Fi/AI module



OT Security

ISA 120

- Intel Atom® x6416RE processor, 4 cores
- Dual DC (12~48V)
- 3 x 1GbE RJ45 ports with 1 x bypass pair
- 2 x USB ports



ISA 122

- Intel Atom® x6414RE processor, 4 cores
- Dual DC (12~48VDC)
- 2 x 1GbE RJ45 ports with 1 x bypass pair
- 2 x 1GbE fiber ports with 1 x bypass pair



ISA 141

- Intel Atom® x6413E processor, 4 cores
- Dual DC (9~36VDC)
- Dual Wi-Fi 6 & dual 5G (DSDA) support
- 3 x 1GbE RJ45 + 1 x SFP combo ports



ISA 142

- Intel Atom® x6413E processor, 4 cores
- Dual DC (9~36VDC)
- 3 x 1GbE RJ45 with 1 x SFP combo ports
- Up to 16 x 1GbE switch ports



NEXCOM's rackmount network appliances adopt a variety of LAN modules, of different form factors, port types, port counts, speeds, and choice with or without bypass.

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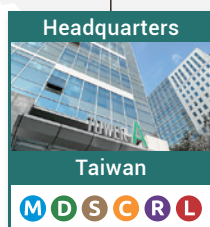
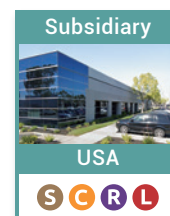
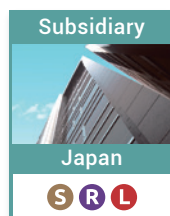
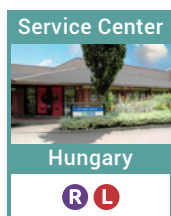
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