



Shaping Future Networks



**SMART
FAST
SECURE**

Network & Communication Solutions

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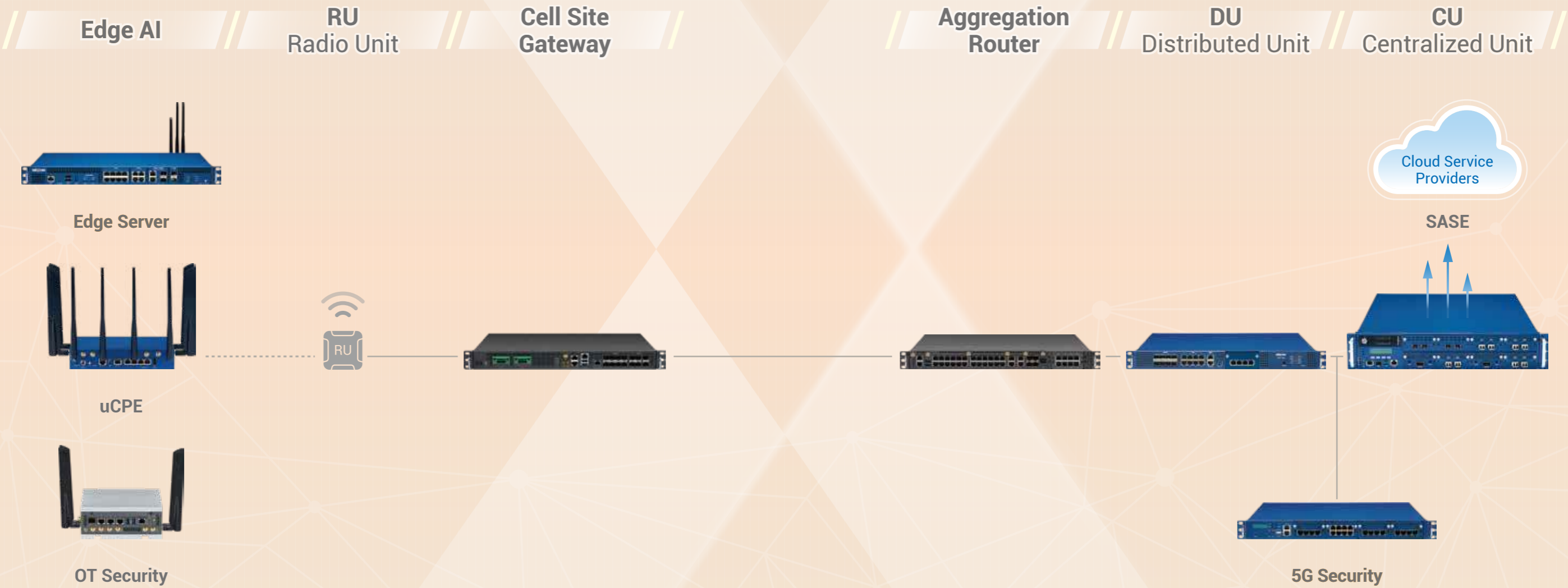


Edge AI and 5G

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.



OT Security

NEXCOM's OT Security solutions feature wide-temperature and rugged designs for reliable operation in harsh industrial network environments. The lineup includes IoT gateways, dual 5G/Wi-Fi router, and high-density switch, all equipped with built-in OOB management for remote power control and reboot via CSPs.

Cyber Security

NEXCOM delivers a comprehensive range of cybersecurity appliances to safeguard SMB and enterprise networks. Select models include advanced security features like TPM and RunBMC, along with AI expansion for enhanced cybersecurity operations. Rackmounts adopt Ethernet bypass LAN modules for 5G network protection.

I 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

NAI 1000-OS

AI Accelerator Card with Intel® Arc™ Graphics

- Supports Intel® Arc™ A370M GPU
- Interface: PCIe 4.0 x8



LAN Modules

NL 110FM-OS

200GbE LAN Module with 1 x QSFP56 Fiber Port

- Controller: NVIDIA® ConnectX®-6 DX
- Interface: PCIe 4.0 x16



NC Series

Provides a Wide Range of 100GbE LAN Modules

- Controller: Intel®/NVIDIA®

NX/NI Series

Offers a Variety of One-Slot 10/1GbE LAN Modules

- Controller: Intel®

NSK 6404-NVME

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

- Interface: PCIe 5.0 x16

NSK 1000-OCF-EX

OCF 3.0 High-Speed Ethernet NIC Adapter

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

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



DNA 1170 Series

- Intel Atom® C5315/C5325 processor, BGA type
- 2 x DDR4 SODIMM, up to 16GB
- 8 x 1GbE RJ45 & 4 x SFP+ ports
- 2 x 65W AC power adapters



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 5200

- 14th Gen Intel® Core™ processor
- 2/4 x DDR5 4400/4000 UDIMM slots, up to 128GB
- 1 x M.2 Key M 2280 NVMe SSD slot
- 4 x LAN module slots



Cloud & Core

NSA 6310

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



NSA 1170

- Intel Atom® P5322 SoC processor, BGA type
- 2 x DDR4 SO-DIMM, up to 64GB
- 8 x 1GbE RJ45 ports
- 8 x 10GbE SFP+ ports



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 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



Edge AI and 5G

DTA 1376

- NXP® Layerscape® LS1046A SoC processor, BGA type
- 1 x DDR4-2133 SO-DIMM ECC memory slot, up to 16GB
- 1 x M.2 2242 NVMe SSD
- 7 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 140

- Intel Atom® x6212RE processor, 2 cores
- Dual DC (9~36VDC)
- TPM 2.0 onboard
- 6 x 1GbE RJ45 with 1 x bypass pair



ISA 141

- Intel Atom® x6413E processor, 4 cores
- Dual DC (9~36VDC)
- Support OOB management
- 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



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