

Advanced Data Center Solutions Cloud Environments

EMPOWERING FUTURE MIGRATION PATHS



Cloud and AI environments continue to scale to support increasing bandwidth demands, higher-density deployments and growing east-west traffic across large-scale infrastructures. As architectures evolve, structured connectivity plays a critical role in supporting scalability, deployment efficiency and long-term operational consistency across GPU, compute, network and storage environments.

Siemon supports cloud data centers with end-to-end fiber and high-speed connectivity solutions for scalable infrastructure. From high-density fiber systems and modular structured cabling capable of supporting emerging terabit network architectures to high-speed interconnects for today's highest-speed deployments, Siemon helps operators establish repeatable deployment models, plan future migrations and support long-term growth. With global logistics, technical expertise and a worldwide network of certified installers, Siemon helps streamline deployment across multi-site environments while supporting consistent, scalable infrastructure expansion.

Supporting **Modern Cloud** Architectures

End-to-End Cloud Connectivity

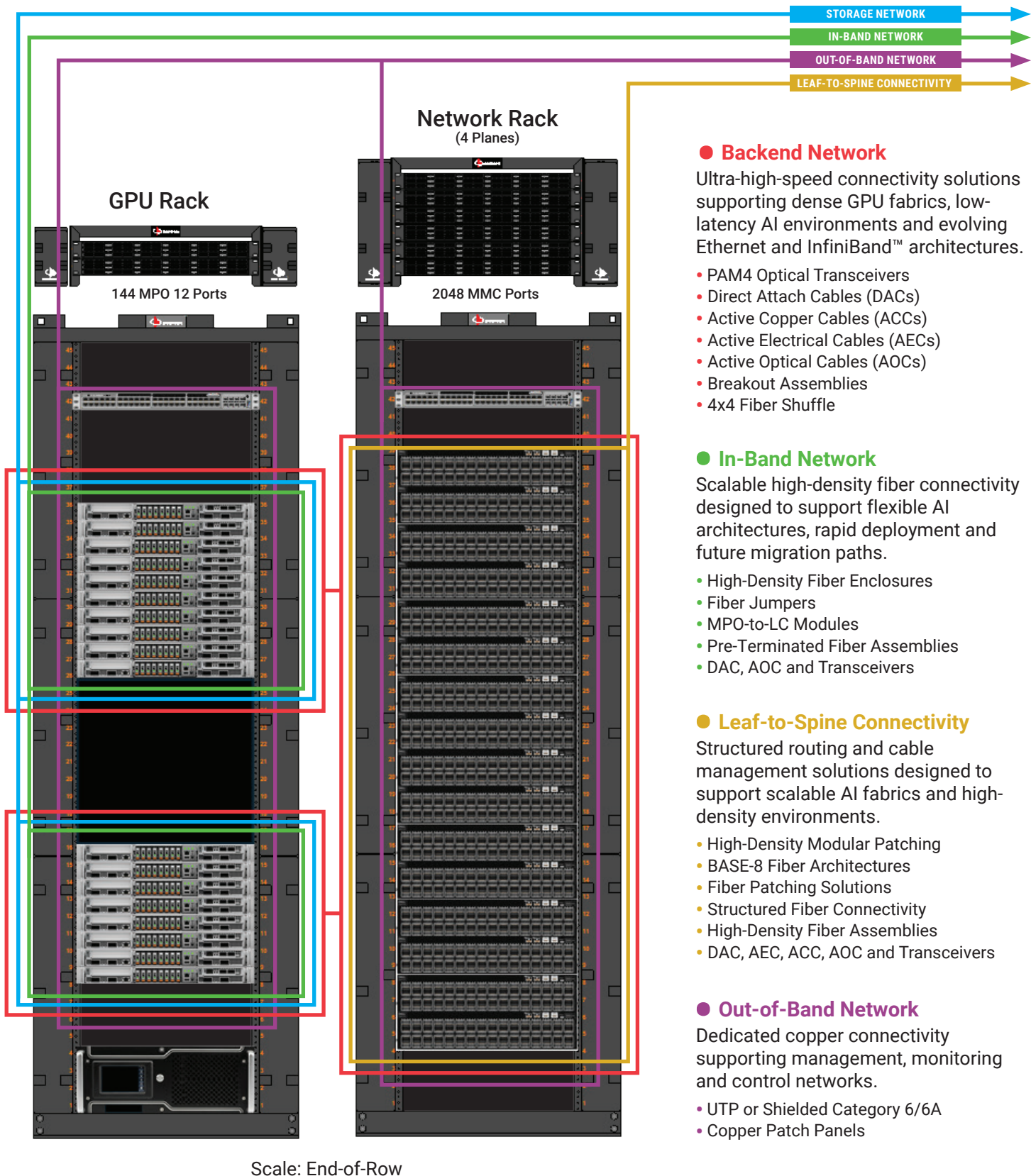
Fiber, copper and high-speed connectivity solutions, including transceivers, designed to support any cloud architecture.

Multi-Vendor Interoperability

Connectivity designed to integrate seamlessly across Ethernet and InfiniBand™ architectures, supporting leading cloud networking platforms.

Future-Ready Infrastructure

Modular connectivity supporting increasing bandwidth demands, phased expansion and long-term infrastructure growth.



● Backend Network

Ultra-high-speed connectivity solutions supporting dense GPU fabrics, low-latency AI environments and evolving Ethernet and InfiniBand™ architectures.

- PAM4 Optical Transceivers
- Direct Attach Cables (DACs)
- Active Copper Cables (ACCs)
- Active Electrical Cables (AECs)
- Active Optical Cables (AOCs)
- Breakout Assemblies
- 4x4 Fiber Shuffle

● In-Band Network

Scalable high-density fiber connectivity designed to support flexible AI architectures, rapid deployment and future migration paths.

- High-Density Fiber Enclosures
- Fiber Jumpers
- MPO-to-LC Modules
- Pre-Terminated Fiber Assemblies
- DAC, AOC and Transceivers

● Leaf-to-Spine Connectivity

Structured routing and cable management solutions designed to support scalable AI fabrics and high-density environments.

- High-Density Modular Patching
- BASE-8 Fiber Architectures
- Fiber Patching Solutions
- Structured Fiber Connectivity
- High-Density Fiber Assemblies
- DAC, AEC, ACC, AOC and Transceivers

● Out-of-Band Network

Dedicated copper connectivity supporting management, monitoring and control networks.

- UTP or Shielded Category 6/6A
- Copper Patch Panels

● Storage Network

Reliable scalable fiber connectivity supporting high-performance storage environments and growing AI data demands.

- Fiber Enclosures
- Fiber Adapter Plates
- Fiber Splice Enclosures
- MPO-to-LC Modules
- Splice Cassettes
- DAC, AOC and Transceivers