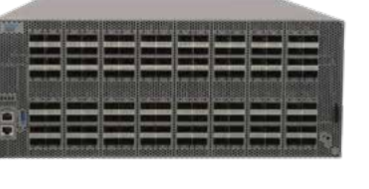


Data Center Switching Portfolio

Bring new levels of reliability, simplicity and adaptability to your data center switching and cloud infrastructures

Shallow Buffer Switches

- Fixed-configuration, high-performance 7220 Interconnect Router (IXR) platforms for data center leaf, spine, front-end network and back-end network deployments
- Flexible native and breakout options with support for 1.6TbE, 800GE, 400GE, 200GE, 100GE, 50GE, 40GE, 25GE, 10GE and 1GE interfaces
- Universal connectors enables seamless integration of a broad range of compatible optics, including 800G QSFP-DD, 800G OSFP and 1.6T OSFP optics
- Multiple platforms with system capacities up to 102.4 Tb/s, including a liquid cooled (LC) option
- Hot-swappable and redundant power supplies and fans
- Powered by Nokia SR Linux and community SONiC® (on select platforms)

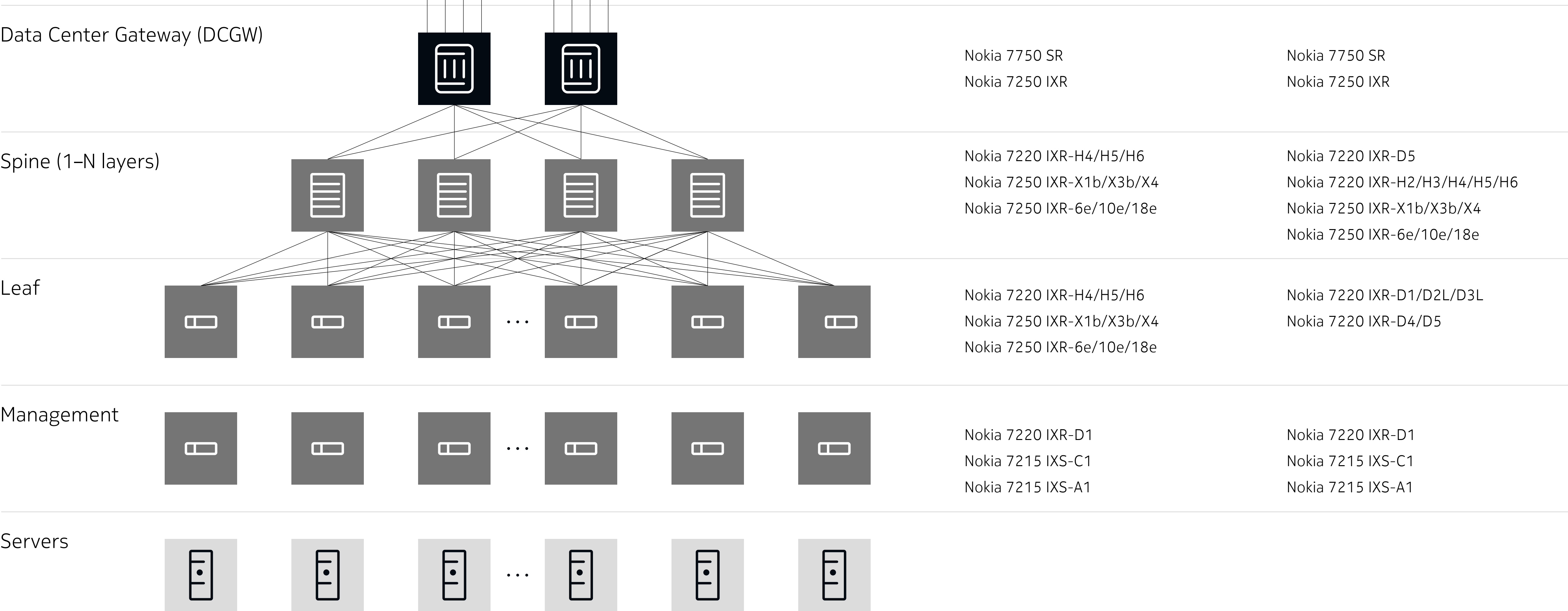
 7220 IXR-D1 <ul style="list-style-type: none">88 Gb/s (FD); fixed; 1RU4 x 10G SFP+48 x 1000/100/10M RJ45	 7220 IXR-D4 <ul style="list-style-type: none">6.0 Tb/s (FD); fixed; 1RU8 x 400G QSFP-DD28 x 100G QSFP28	 7220 IXR-H5-32D <ul style="list-style-type: none">25.6 Tb/s (FD); fixed; 1RU32 x 800G QSFP-DD2 x 10G SFP+	 7220 IXR-H6-64 <ul style="list-style-type: none">102.4 Tb/s (FD); fixed; 3RU64 x 1.6T OSFP2 x 25G SFP28			
 7215 IXS-C1 <ul style="list-style-type: none">1 Gb/s; fixed; 1RU2 x 1G SFP1 x 1000/100/10M RJ4548 x 1000/100/10M RS232 RJ45	 7220 IXR-D2L <ul style="list-style-type: none">2.0 Tb/s (FD); fixed; 1RU8 x 100G QSFP2848 x 25G SFP282 x 10G SFP+	 7220 IXR-D4-56D <ul style="list-style-type: none">8.0 Tb/s (FD); fixed; 1RU8 x 400G QSFP-DD48 x 100G SFP-DD2 x 10G SFP+	 7220 IXR-H2 <ul style="list-style-type: none">12.8 Tb/s (FD); fixed; 4RU128 x 100G QSFP28	 7220 IXR-H4 <ul style="list-style-type: none">25.6 Tb/s (FD); fixed; 2RU64 x 400G QSFP-DD2 x 10G SFP+	 7220 IXR-H5-64D <ul style="list-style-type: none">51.2 Tb/s (FD); fixed; 2RU64 x 800G QSFP-DD2 x 10G SFP+	 7220 IXR-H6-64 LC <ul style="list-style-type: none">102.4 Tb/s (FD); fixed; 2RU102.4 Tb/s (FD); fixed; 2RU1 x 100G QSFP28
 7215 IXS-A1 <ul style="list-style-type: none">88 Gb/s (FD); fixed; 1RU4 x 10G SFP+48 x 1000/100/10M RJ45	 7220 IXR-D3L <ul style="list-style-type: none">3.2 Tb/s (FD); fixed; 1RU32 x 100G QSFP282 x 10G SFP+	 7220 IXR-D5 <ul style="list-style-type: none">12.8 Tb/s (FD); fixed; 1RU32 x 400G QSFP-DD2 x 10G SFP+	 7220 IXR-H3 <ul style="list-style-type: none">12.8 Tb/s (FD); fixed; 1RU32 x 400G QSFP-DD2 x 10G SFP+	 7220 IXR-H4-32D <ul style="list-style-type: none">12.8 Tb/s (FD); fixed; 1RU32 x 400G QSFP-DD1 x 10G SFP+	 7220 IXR-H5-64O <ul style="list-style-type: none">51.2 Tb/s (FD); fixed; 2RU64 x 800G OSFP2 x 10G SFP+	 7220 IXR-H6-128 <ul style="list-style-type: none">102.4 Tb/s (FD); fixed; 4RU128 x 800G OSFP1 x 100G QSFP28

Deep Buffer Switches

- Terabit-scale, modular and fixed 7250 Interconnect Router (IXR) platforms designed for data center spine, back-end network and WAN deployments
- Industry-leading design and density with taller line card pitch and honeycomb mesh air intakes
- Modular platforms use high-quality orthogonal direct cross-connect with no midplane connectors to limit system lifespan
- Designed for upgradability, with fabric and cooling tuned for ultra-low power consumption today and tomorrow
- Flexible native and breakout options with support for 800GE, 400GE, 200GE, 100GE, 50GE, 40GE, 25GE and 10GE interfaces
- Universal connectors enables seamless integration of a broad range of compatible optics, including 800G QSFP-DD, 800G OSFP and ZR/ZR+ coherent optics
- Powered by Nokia SR Linux and community SONiC® (on select platforms)

 7250 IXR-X1b <ul style="list-style-type: none">7.2 Tb/s (FD); fixed; 1RU24 x 100G QSFP2812 x 400G QSFP-DD	 7250 IXR-X3b <ul style="list-style-type: none">14.4 Tb/s (FD); fixed; 1RU36 x 400G QSFP-DD	 7250 IXR-X4 (QSFP-DD) <ul style="list-style-type: none">25.6 Tb/s (FD); fixed; 1RU32 x 800G QSFP-DD	 7250 IXR-X4 (OSFP) <ul style="list-style-type: none">25.6 Tb/s (FD); fixed; 1RU32 x 800G OSFP	 7250 IXR-6e <ul style="list-style-type: none">115.2 Tb/s (FD); 10RU4 slots, 28.8 Tb/s (FD) each144 x 800G QSFP-DD144 x 800G OSFP288 x 400G QSFP-DD288 x 400G OSFP1152 x 100G QSFP28	 7250 IXR-10e <ul style="list-style-type: none">230.4 Tb/s (FD); 16RU8 slots, 28.8 Tb/s (FD) each288 x 800G QSFP-DD288 x 800G OSFP576 x 400G QSFP-DD576 x 400G OSFP2304 x 100G QSFP28	 7250 IXR-18e <ul style="list-style-type: none">460.8 Tb/s (FD); 35RU16 slots, 28.8 Tb/s (FD) each576 x 800G QSFP-DD576 x 800G OSFP1152 x 400G QSFP-DD1152 x 400G OSFP4608 x 100G QSFP28
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Implement networks for AI as well as traditional general-purpose workloads



Back-end networks deliver lossless, low latency interconnect for high-value GPU resources required for AI training, AI inference or other HPC workloads

Front-end networks deliver connectivity for AI workloads, general-purpose workloads (non-AI compute) and management of AI workloads

Service Router Linux (SR Linux)



- A Linux®-based NOS that enables scalability, flexibility and efficiency
- Open, extensible architecture built around model-driven management and modern interfaces
- Field-proven routing protocol stacks from the Nokia Service Router Operating System (SR OS)
- Industry-leading streaming telemetry framework provides ubiquitous data access
- State-of-the-art NetOps Development Kit (NDK) for customized network agents and applications

Community SONiC

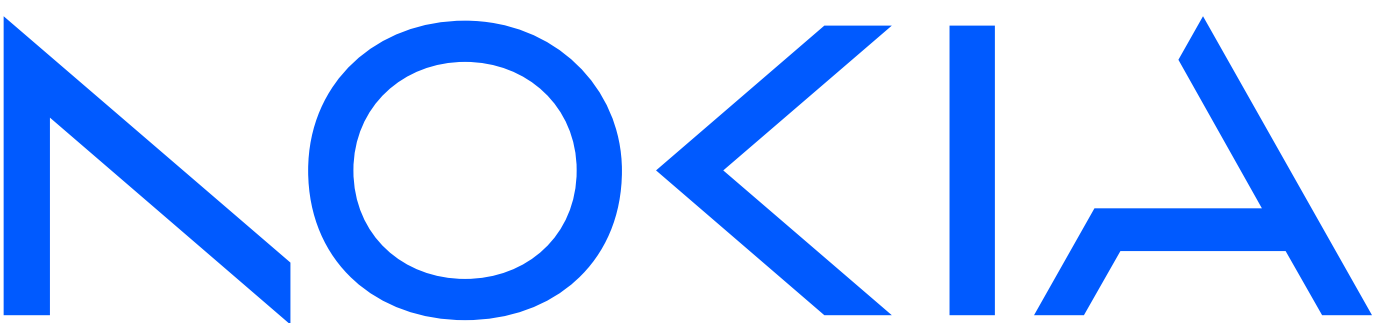


- SONiC® open-source NOS leverages the strength of a large ecosystem and community
- Brings choice and flexibility to data center and cloud environments
- Supported on specific Nokia data center platforms for a broad range of deployment roles

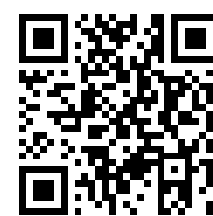
Event-driven Automation (EDA)



- Simplifies data center operations with intent-based automation and continuous assurance
- Automates provisioning, validation, and lifecycle management across the network fabric
- Leverages telemetry-driven AI analytics and operational intelligence to help teams rapidly detect and resolve issues
- Continuously validates network intent against real-time network state to identify deviations before they impact applications and services
- Built on Kubernetes with open APIs for integration across multivendor environments, cloud platforms,



Explore the
Nokia Data center
switching portfolio



Explore the
Nokia IP
routing portfolio



Data center
networks
design hub

- Access to a rich library of resources
- Nokia Validated Designs (NVDs) are rigorously tested for reliable deployment
- Reference designs deliver alternate architectures and product capabilities
- Technical briefs provide clear insights on complex networking technologies

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