



# IP Routing Portfolio

## 7950 Extensible Routing System (XRS)

- Scalable, deterministic, and versatile core routing for the cloud, LTE/5G, and the Internet of Things (IoT)
- Powered by FP4—groundbreaking 2.4 Tb/s routing silicon from Nokia
- Versatile GE, 10GE, 40GE, 100GE, and 400G clear channel interfaces; integrated 100G DWDM
- Expands up to 0.576 Pb/s in a six-shelf system using chassis extension
- Proven and highly resilient SR OS software delivers a rich set of IP routing capabilities



## 7750 Service Router (SR)

- Scalable, comprehensive, and deterministic edge routing for the cloud, LTE/5G, and IoT
- Powered by FP4—groundbreaking 2.4 Tb/s routing silicon from Nokia
- Versatile GE, 10GE, 40GE, 100GE, and 400G clear channel interfaces; integrated 100G DWDM
- Universal, versatile hardware design maximizes investment protection
- Proven and highly resilient SR OS software delivers a rich set of IP routing capabilities



## Portfolio Building Blocks

### Nokia FP4: 2.4 Tb/s network processor

- The world's first multi-terabit network processor for the most powerful, scalable, and high-performance portfolio of IP routing platforms
- Deterministic QoS with multidimensional intelligence at scale without compromising capabilities or performance
- Enhanced packet inspection and correlation to optimize quality of experience and mitigate volumetric DDoS attacks
- Massive silicon miniaturization and memory integration significantly drives down power consumption per packet processed compared to competitive silicon

### Service Router Operating System (SR OS)

- One OS at the heart of the Nokia IP routing product portfolio
- A proven, robust, and highly reliable OS; broad feature set is deployed in more than 700 service provider networks worldwide
- Fully unleashes the power and performance of multi-core processing
- Streaming telemetry and programmable application control interfaces to enable insight-driven automation

## Network Services Platform (NSP)

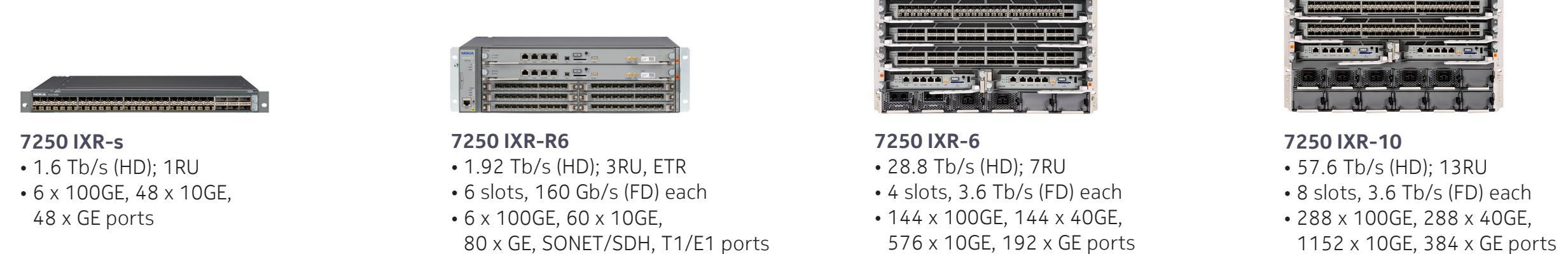
- Unifies service automation, network optimization, and dynamic assurance to deliver profitable, on-demand network services at scale using a carrier software-defined networking (SDN) and IP/optical network management platform
- Provides an efficient way to define, provision, and activate network services across networks that span multiple layers, services and physical/virtual infrastructure as well as equipment from multiple vendors
- Enables insight-driven automation for global optimization and closed-loop control to mitigate congestion and/or performance issues detected by rich telemetry to improve peering point selection and allocation with integrated Deepfield analytics

## Virtualized Service Router (VSR)

- Flexible, high-performance, virtualized IP router designed and optimized for cloud scaling in x86-based server environment
- Full control plane (CP) and data plane (DP) separation with advanced CP and DP resiliency features
- Allows simplified life-cycle management, operations and maintenance, ensuring uniform operational practices in hybrid network scenarios (i.e., when deployed along physical network elements)
- Enables agile delivery of enterprise, residential, and mobile services through modular licensing and flexible configuration of many applications, such as Route Reflector, Provider Edge, Data Center Gateway, Broadband Network Gateway, Residential Network Gateway, Network Address Translation, Mapping of Address and Port using Translation (MAP-T) Border Relay, Layer 2 TP Network Server, Application Assurance, Security Gateway, Wireless LAN Gateway

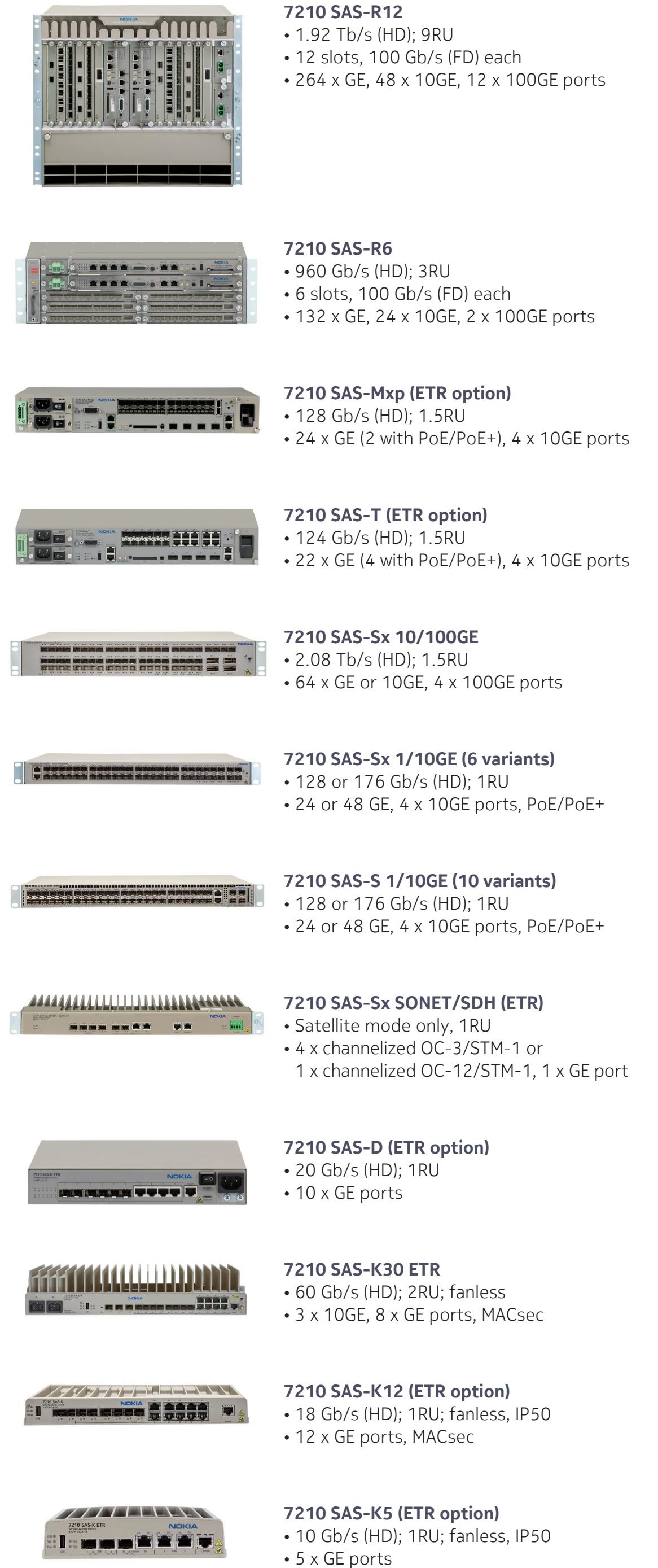
## 7250 Interconnect Router (IXR)

- High-port-density, highly scalable interconnect routers
- Terabit-scale routing within data centers and across WANs
- Optimized for next generation of IP mobile transport (anyhaul), fixed-mobile convergence, and mission-critical applications
- Proven and highly resilient SR OS software delivers a rich set of IP routing capabilities



## 7210 Service Access Switch (SAS)

- Access, demarcation, and cost-effective GE aggregation routers
- High density and line-rate throughput
- 7210 SAS-S series modes: 7x50 satellite port extender and stand-alone router
- Proven and highly resilient SR OS software delivers a rich set of IP routing capabilities



## 7705 Service Aggregation Router (SAR)

- Access and aggregation routers with hardware-based encryption support
- Multiservice interfaces delivering Ethernet, TDM, ATM, Frame Relay, HDLC, and GPON
- PoE/PoE+, integrated packet microwave, serial data, voice and teleprotection applications
- Proven and highly resilient SR OS software delivers a rich set of IP routing capabilities



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