

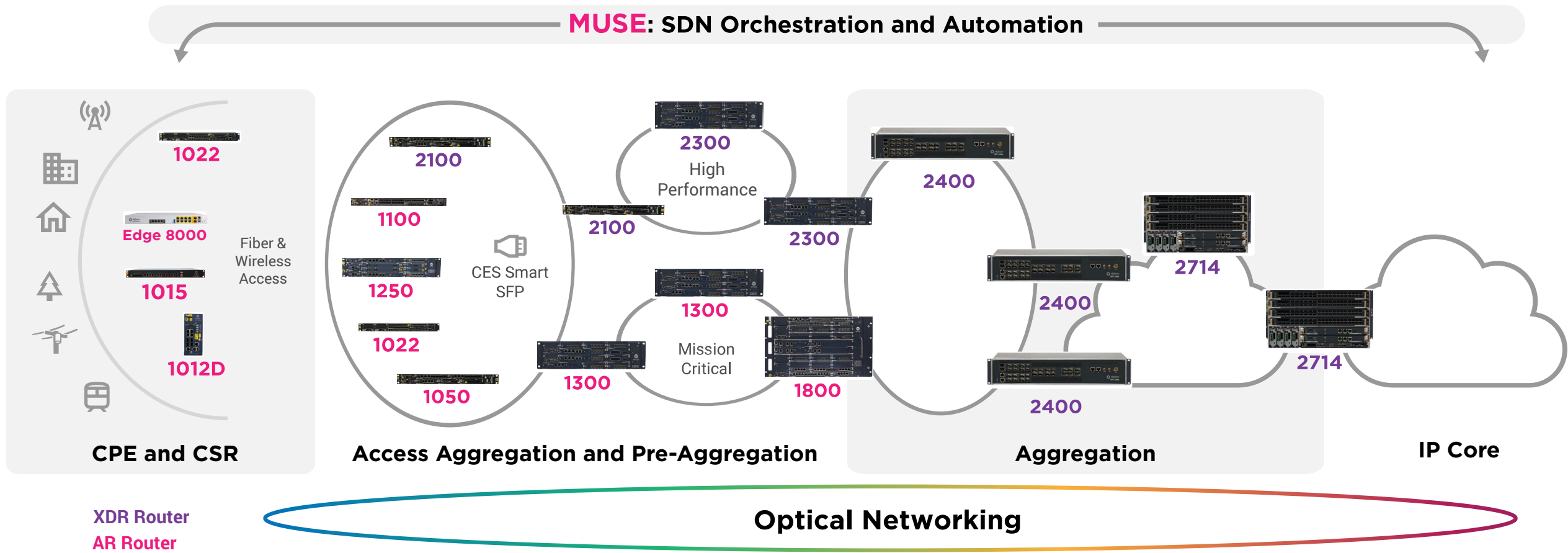
IP Routing and Packet Transport

With Ribbon's NPT Portfolio of Routers





Best-in-class service agility and economics for any IP transport network.



XDR Router
AR Router

NPT XDR
High Performance, High Capacity Routers

	Access Routers	Aggregation Routers			
	2100	2300	2400	2714	
Fit	High Performance Access Edge and Pre-aggregation	High Performance Multiservice Aggregation	High-performance metro edge aggregation router	High Capacity Aggregation and Metro Transport	
Capacity	800G	2.4Tbps	4.8Tbps	14Tbps	
Silicon	Qumran 2a	Jericho 2C	Jericho 2	Jericho	
High-Speed Optical Interfaces	CWDM, DWDM, 100G/200G/400G coherent, ZR & OPENZR+	CWDM, DWDM, 100G/200G/400G coherent, ZR & OPENZR+	CWDM, DWDM, 100G/200G/400G coherent, OPENZR+	CWDM, DWDM, 100G/200G/400G coherent, ZR & OPENZR+	
Height	1 RU	3 RU	2RU	6 RU	

NPT AR Routers
High Availability Routers

Compact CPE Devices		Access Routers					Aggregation Routers
1012D	1022	1050	1100	1250	1300	1800	
Critical infrastructures and CPE demarcation	High Capacity CPE and Access Router	High Availability Access Edge	Access Edge and Pre-aggregation	High Availability Access Edge and Pre-aggregation	High Availability Multiservice Aggregation	High Availability Multiservice Aggregation	
32Gbps	64 Gbps	300 Gbps	300 Gbps	300 Gbps	1Tbps	2Tbps	
Qumran -UX	Qumran- UX	Qumran- AX	Qumran-AX	Qumran-AX	Qumran-AX	Jericho+	
n/a	n/a	CWDM, DWDM, 100G coherent ZR, OPENZR+	CWDM, DWDM, 100G coherent, ZR & OPENZR+	CWDM, DWDM, 100G coherent	CWDM, DWDM, 100G coherent	CWDM, DWDM, 100G coherent	
Din-rail compliant	1 RU	1 RU	1 RU	2 RU	3 RU	8 RU	

NPT Family Overview

The NPT is powered by our IP Wave rNOS. IP Wave rNOS provides a common set of features and capabilities across our entire NPT XDR and NPT AR router portfolio including the fully integrated and disaggregated router options:

- Multiple routing technologies including IP/MPLS, MPLS-TP, Segment routing, RSVP-TE, FlexE, supporting multiple services such as Ethernet, Layer 2 VPN, Layer 3 VPN, , EVPN, Circuit emulation, XGS-PON
- Support for advanced fault management and performance capabilities

The NPT portfolio is optimized for the access edge, aggregation and metro networks providing:

- Purpose-built service agility and cost efficiency, NPT provides forecast tolerant, high-performance platforms required to support services with ever-increasing capacity, complexity and performance needs.
- Feature rich IP features and capabilities with the agility to meet the needs of each specific network
- Deployment flexibility supporting any network architecture; ring, mesh, dual-homed mesh, Telco spine-leaf and any hybrid combination of these.
- A comprehensive set of form factors providing fully redundant and non-redundant configurations; modular and fixed configurations
- Fully integrated and disaggregated router options
- Coherent Routing with 100G and 400G DCO
- Multilayer IP Optical networks, with a full set of optical interfaces and advanced multilayer optimization provided by Muse
- A perfect fit for networks carrying business and mission critical services with dual stack IP/MPLS and MPLS-TP, RSVP-TE, segment routing
- Open northbound interfaces provide integration into any network controller including our Muse domain controller.

With a full range of form factors, agile functionality and pay-as-you grow modularity, NPT has right-fit solutions for Service Providers, MSOs, MNOs, Enterprises, Government and Critical Industries

Contact Us

Contact us to learn more about Ribbon solutions.