CSP challenges in the 5G era

Scale and modernize your infrastructure
Grow capacity while increasing performance, resiliency and determinism

Reduce OPEX, optimize CAPEX
Simplify end-to-end service operations and use network resources more efficiently

Increase network responsiveness
Automate service operations using open, programmable network components

Deliver the extraordinary with Nokia WaveFabric, a programmable, massive-capacity optical platform that lets you build insight-driven networks for the 5G era

Massively scalable
• Switching scale
• Electro-optic scale
• Photonic scale

Openly programmable
• Hardware & services
• Zero-touch operations
• Automation-ready

High performance
• Spectral efficiency
• Deterministic latency
• Application-optimized

Secure and resilient
• Quantum-safe encryption
• Intrusion detection
• Multi-layer resiliency

How does WaveFabric help you deliver the extraordinary?
• The complete 1830 portfolio provides 5G-ready scalability and performance from edge to core
• Platforms are proven in 900-plus customer environments across all regions and segments
• Common hardware and software building blocks maximize application interworking, interoperability and ROI in CO and DC environments
• Open platforms with normalized APIs let you automate services and operations to create network value

Nokia Photonic Service Engine (PSE) and PCS* ensure ultimate performance, unconstrained flexibility and extreme programmability

WaveFabric enables you to transform your network into a fully automated, responsive and consumable platform that creates value and improves return on investment (ROI). Scale your network to stay ahead of traffic demands
Optimize performance for each application
Accelerate innovation with open hardware and software
Secure your fiber infrastructure and data

Nokia WaveFabric: Get extraordinary connectivity, capacity and capability for the 5G era – now!

Read our brochure or visit our website to learn more about what WaveFabric can do for your business.

About Nokia
We create the technology to connect the world. Powered by the research and innovation of Nokia Bell Labs, we serve communications service providers, governments, large enterprises and consumers, with the industry’s most complete, end-to-end portfolio of products, services and licensing.

networks.nokia.com

Nokia is a registered trademark of Nokia Corporation. Other product and company names mentioned herein may be trademarks or trade names of their respective owners.

© Nokia 2020

Product code: SR2002041661EN
CID: 207222