Nokia WaveFabric

Transport for an agile world

In today’s digital world, new and emerging services and applications such as cloud, 5G, IoT, Industry 4.0 and smart cities are disrupting traditional business models and straining static, closed, manually operated transport networks. To support these more dynamic services, you need more network connectivity, capacity and capability.

Challenges in the 5G era

1. Scale and modernize your network infrastructure
2. Reduce OPEX and optimize CAPEX
3. Increase network responsiveness and automate service operations
Extraordinary connectivity, capacity and capability for the 5G era!

Nokia WaveFabric is a programmable, massive-capacity and cost-effective optical solution that delivers the extraordinary for the 5G era. Based on our 1830 Photonic Service Switch and complemented by our WaveSuite™ software applications, WaveFabric enables you to transform your network into a fully automated, responsive and consumable platform that creates value and improves return on investment (ROI).

Massive scalability
Stay ahead of traffic growth with platforms that maximize photonic, electro-optic and switching scale.

High performance
Optimize performance and service availability for each application with solutions that ensure high levels of spectral efficiency and determinism.

Open programmability
Enhance network value creation with open hardware and software that make it easier to develop innovative applications that optimize and monetize network infrastructure.

Highly secure and resilient platforms
Address threats with technologies that protect data from theft and ensure data integrity and high availability for service continuity.

What makes Nokia WaveFabric extraordinary?

Portfolio
- 5G scalability and performance in every platform, from edge to core
- More than 900 customers across all regions and all segments

Innovation
- Ultimate performance, unconstrained flexibility and extreme programmability with Nokia Photonic Service Engine (PSE)
- Maximum interworking, interoperability and ROI with common hardware and software building blocks that optimize application performance in CO or DC environments

Automation
- Network value creation enabled by open platforms with normalized APIs that ease service and operations automation

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.

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