

Navigate countless journeys

IP Anyhaul designed for your 5G world

Tectonic changes in many technologies are shaping the networks of the future. It is a business imperative for every communications service provider (CSP) to invest in the right network and transport capabilities to realize the possibilities of 5G and the Internet of Things (IoT). That's why Nokia has created IP Anyhaul, part of the Nokia 5G Anyhaul solution.

How IP Anyhaul innovates

Advanced design, optimized for 5G

Expanded portfolio to address **multi-gigabit access, dynamic cloud and network interconnectivity**, and high-performance, **terabit-scale aggregation**.

700+ deployments in 130+ countries

IP networking portfolio with a **worldwide track record** in wireless, wireline and converged network environments.

The right product mix

Wide range of products – for **any network, any transport role and any location** – to meet future network demands and optimize operating costs.

Look to the future

IP routing infrastructure that's **robust and ready** for the massive growth in traffic and user and device numbers – this ensures the efficient delivery of demanding 5G cloud-enabled services.

How IP Anyhaul completes the circle

What do we mean by comprehensive, end-to-end transport?

Consolidate and converge

Realize cost benefits with one transport network for all services – mobile, enterprise and residential.

Network slicing

Tailor different network slices to application- and service-specific requirements.

One networking paradigm

Consolidate many domains: control plane, data plane, management plane, quality of service (QoS), traffic management, OAM, synchronization and security.

Cloud interconnectivity

Extend proven technologies with Nokia innovation to dynamically interconnect many different and distributed clouds in 5G (RAN, core, Multi-Access Edge Computing, content and applications).

All-IP environment

Enable operational and service transparency across RAN, core, transport, and application and content domains.

How IP Anyhaul rises to 5G challenges

Technical

Q. How do I handle the variety and mix of demanding 5G requirements?

A. IP Anyhaul is designed to address 5G bandwidth, latency, QoS, synchronization, security, interconnectivity and automation.

Cost

Q. How do I extend the cost benefits beyond 5G?

A. IP Anyhaul's robust security and reliability for mobile transport can also become a foundation for improving enterprise, residential and wireline services.

Investment

Q. How do I invest in the right transport technologies and choose the right partner?

A. IP Anyhaul is proven in diverse environments and backed by a long-term commitment.

Service

Q. How do I cope with diverse service demands including IoT, AR and VR?

A. IP Anyhaul incorporates Nokia's long-term experience and leadership in multi-service IP networking – using one network that can efficiently carry diverse sets of traffic types and volumes, and is perfectly suited to network slicing.

Business

Q. How do I simultaneously protect my existing business and prepare for the future?

A. IP Anyhaul can optimize network transport and improve the cost-efficiency of existing operations to pave the way for new services and business opportunities.

How IP Anyhaul outperforms the competition

The simplicity of one OS

Our Service Router Operating System is used across all Nokia IP platforms to assure consistent and reliable end-to-end operation of the network.

Terabit breakthrough

New, terabit-capacity product lines for multi-gigabit access products and high-scale interconnectivity. IP Anyhaul products in data centers and throughout the network deliver performance across a wide array of platforms, including compact form factor with extended temperature range (ETR).

High performance, high efficiency

The FP4 processor is the new level of high-performance IP routing products. Delivering up to six times more processing power than its competitors, the FP4 can reduce per-gigabit power usage by more than 50% compared to previous generations of silicon.

How IP Anyhaul drives transformation

The future is bigger with the right transport solution. Here are four ways the IP Anyhaul portfolio can help you transform your business and meet your customer priorities:

Flawless services

Optimize customer experiences and service SLAs with high-bandwidth, ultra-low latency, and advanced traffic management and improved QoS.

1

Resilience and security

Ensure uninterrupted delivery of diverse, multi-service traffic flows, and shut out network threats at the network periphery with built-in resilience features.

2

Dynamic interconnectivity

Handle dynamic traffic exchange between users and devices across many cell sites and centralized hubs, bringing distributed content and applications closer to users.

3

Insight-driven automation

Improve operational efficiency for existing services, enable massive service roll-outs, and make the introduction of new services and applications easier and faster to deploy.

4

What's next for your network?

IP networking is increasingly used in the network transport layer as a single, unifying standard. It's an essential building block to create an all-IP environment that ensures transparency for all IP services running. And it can optimize existing network operations while providing a flexible platform that's ready for the demanding 5G era.

Discover more about Nokia IP Anyhaul on your journey to 5G and beyond.

[Read brochure](#)