

Norwegian Enterprise-Grade Energy-Saving Optical Router



Article Overview

NTE in Norway deploys enterprise-grade, energy-efficient optical routers using Cisco Routed Optical Networking, combining high-capacity IP routing with coherent optics for sustainable, scalable networks.

Overview of NTE's Optical Routing Solution

NTE, a Norwegian energy and telecom provider, has implemented enterprise-grade optical routers that integrate high-speed IP routing with coherent optical networking. This approach allows NTE to deliver fiber-based internet services to over 140,000 users while maintaining energy efficiency and sustainability . The routers are part of a Routed Optical Networking solution, which converges services onto a single IP layer, simplifying network management and reducing hardware footprint .

Key Features

- **High-Capacity Coherent Optics:** NTE uses 400Gbps coherent optical ports, enabling scalable bandwidth for streaming, gaming, and enterprise applications .
- **Energy Efficiency:** By integrating optical transport directly into routers, the network reduces power consumption compared to traditional separate optical layers .
- **Future-Proof Scalability:** The architecture supports upgrades to 800Gbps and 1.2Tbps, ensuring long-term capacity for growing data demands .
- **Centralized Management:** Cisco Evolved Programmable Network Manager (EPN) allows remote provisioning, monitoring, and troubleshooting from a single interface,...

Article Content

Foss Fiber Optics AS

Vi utvikler spesialtilpassede systemer for krevende miljøer innen forsvars- og industrisektoren, ved å bruke

Optimizing power consumption in high-end routers

Explaining trends and techniques used to reduce power consumption in networking chips and optics. The last few

Routerne | Komplett.no

Boligens trådløse nettverk trenger en god ruter for å fungere optimalt. Asus, NetGear, eller TP Link har din

Optical networks

The Nokia optical network portfolio leverages highly vertically integrated coherent optical engines to build

Ciena products

Purpose-built coherent routers—from 100G to 800G coherent optics—featuring the industry's only 1.6T solution with the WaveRouter

Top Fiber Optic Telecommunications Companies in Norway

The Fiber Optic Telecommunications industry in Norway is shaped by several key considerations for those looking to engage with

Labelling schemes and standards

Ecodesign and energy labelling establish minimum requirements for energy efficiency and eco-friendly design. NVE is

Optical Networking Solutions | Alcatel-Lucent Enterprise

The Alcatel-Lucent OmniSwitch family provides a scalable network solution that is power efficient and requires a minimal deployment

10 Best Enterprise Router: In-depth Reviews

In this in-depth review, we will delve into the world of enterprise routers, exploring the top contenders in the market. Whether you're a

Ecodesign and Energy Labelling directives cause 3 TWh energy savings

This means that the appliances used in Norwegian households are relatively new and thus also energy efficient. It is

Industrial Gateways

Leveraging advanced technology and comprehensive solutions, Four Faith has partnered with a Norwegian enterprise to deliver a

OpenAI backs AI data center in Norway With 100,000 Nvidia GPUs

OpenAI said it is launching a Stargate AI data center in Norway which will be designed and built by Nscale and Aker.

Corning and Nokia Join Forces to Provide Optical Fibre to the Edge

Corning Incorporated and Nokia announced a strategic collaboration to provide enterprises with seamless, end-to-end

Enterprise optical network-all-optical access-FTTR-SME

Huawei's FTTR-SME solution is designed to meet the service and network requirements of small- and medium-sized enterprises. It

Cisco Routed Optical Networking

Cisco Routed Optical Networking Unleash operational simplicity, network efficiency, and energy savings Streamline management,

10 Best Enterprise Router: In-depth Reviews

An enterprise-grade router is a high-performance networking device designed specifically for use in large-scale business

Optical Terminal

The OptiXstar product series extends optical connectivity to every home, enterprise, and campus, bringing families closer and

Norsk Energi

Norsk Energi are experts in the effective, environmentally friendly and safe use of energy. As a leading

Ruter, wifi-ruter trådløs og fiber | Asus, Starlink, TP-Link

Routerne Få stabilt og raskt internett med en router fra Asus, TP-Link, D-Link, Starlink eller Keenetic. En trådløs ruter gir deg wifi via

Enterprise Routers | Huawei Enterprise

Accelerating enterprise digital transformation with high-capacity, reliable, and energy-efficient routers that are easy to maintain. Learn

Internet Providers in Norway for Expats: High-Speed Connectivity

Stay connected in Norway with ease! Our guide for expats explores the best internet providers, high-speed options, and tips/

Best Enterprise Routers of 2026

Compare the best Enterprise Routers of 2026 for your business. Find the highest rated Enterprise Routers pricing, reviews, free

Smarter and Greener Optical Modems

In 2020, Huawei integrated optical modems and routers into one product, and launched the Huawei OptiXstar smart optical modem

Energy efficient traffic data aggregation and routing for ...

The combination of energy-aware routing, dynamic wavelength and bandwidth allocation, and traffic data aggregation

About us

About us Norsk Fiberoptikk aims to fulfil all your requirements within fiber optic solutions and infrastructure. Ever since our company

Fiber Norway

Fiber Norway disponerer fiber fra Narvik til Trondheim og videre til Oslo via NTE sitt nett. Nasjonal optisk datatransport på regional

Foss Fiber Optics

Foss Fiber was established in 1987 and since then has become one of the largest manufacturers of fiber optic solutions in Norway.

Norway's submarine cable network provides world-class connectivity

A rapidly expanding network of submarine fibre optic cables has brought about a sea change in Norway's digital

Hvilken trådløs router bør du velge?

Hva slags trådløs router du trenger avhenger av hvor mye og hvordan du bruker ditt trådløse nettverk. Start med å avdekke dine

Contact Us

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