

Ukraine purchases 100G high-speed optical and electrical connections



Overview

Ukraine's Eurotranstelecom (ETT) is extending its 100G network to cover the country's major industrial centers thanks to the rollout of Ciena's (Nasdaq: CIEN) 100G coherent optical technology across the incumbent telco's backbone network. The high-speed project is an extension of one which. Breakout-capable 100G modules are optical transceivers or cables designed to split a single 100Gbps port into multiple lower-speed channels, typically four 25Gbps or 10Gbps links. This functionality allows a single high-speed port to serve multiple lower-speed devices, improving network flexibility. Modern data centers rely on high-speed optical links, and 100G optical transceiver modules (especially the QSFP28 form factor) are now foundational for this connectivity. 100G transceivers convert electrical signals to laser light over fiber, enabling top-of-rack switches to connect to aggregation. Listen to online The total length of the Ukrtelecom optical network is twice the circumference of the Earth In recent years, Ukrtelecom has been actively developing its optical infrastructure through investing in the development of an FTTH/P network based on the GPON technology.



Article Content

Hot

Ciena Corporation : Eurotranstelecom and Ciena Deploy First

Ciena's flexible architecture allows ETT to run 10G, 40G and 100G wavelengths simultaneously, and upgrade to higher capacities as requirements change, all while reducing overall

Feb 12, 2026 Hot

Optical network of Ukrtelecom has expanded to 80,000 kilometres

The expansion of Ukrtelecom's optical infrastructure involves the installation of modern telecommunications equipment, the laying of new fibre optic communication lines, and the

Feb 10, 2026 Hot

How Russia Sent Ukraine Racing Into the "Energy

On Wednesday they made it happen, closing breakers along Ukraine's southern border and synchronizing its power system with the 50-hertz

Apr 22, 2026 Hot

100G transceivers

Choosing the right 100G transceiver matters for network stability, cost, and future upgrades. This guide explains what they are, how they work, and what

Sep 13, 2025 Hot

What is 100G FR Optical Transceiver?

100G single lambda optical modules are ideal for data center backbone connectivity. They provide efficient 100Gbps data rates to ensure high

Aug 28, 2025 Hot

Elisa, Nokia trial 100G PON over live European fibre

We're excited to be the first in Europe to show up to 100G PON speeds in a live fibre network trial and demonstrate the world-class capabilities

Aug 20, 2025 Hot

Ukraine's Optical Fibers and Bundles Market Report 2026

Prodcom 27311200 - Optical fibres and optical fibre bundles, optical fibre cables (except those made up of individually sheathed fibres) This report provides a consistent view of market size,

Aug 19, 2025 Hot

Breakout-Capable 100G Optical Modules: Everything

Maximize port utilization and simplify cabling with 100G breakout-capable modules and QSFP28 cables, providing scalable, multi-speed

Jul 19, 2025 Hot

Ukraine tests UGV drones with optical control | Censor

Ukraine is testing unique ground-based combat drones with fiber-optic control - Business Insider Ukraine is testing new combat ground drones that are controlled via a fiber-optic cable, which

Jan 22, 2026 Hot

100G AOC Cable: High-Speed Connectivity for Data

What is a 100G AOC Cable? A 100G AOC cable is a high-speed data transmission cable that combines fiber optics with electrical components to deliver robust

Dec 16, 2025 Hot

Ukraine's Eurotranstelecom taps Ciena for 100-Gbps coherent optical ...

With this deployment, ETT extends its original 100-Gbps network connecting Kiev and Kharkov to cover all major Ukrainian regional centers, including Lvov, Donetsk, Odessa, and Dnepropetrovsk. It also

Aug 27, 2025 Hot

Ciena supports 100G network extension by ETT to Ukraine's industrial ...

Ukraine's Eurotranstelecom (ETT) is extending its 100G network to cover the country's major industrial centers thanks to the rollout of Ciena's (Nasdaq: CIEN) 100G coherent optical technology across the

Jun 29, 2026 Hot

Telecommunications in Ukraine

Telecommunications in Ukraine Telecommunications is one of the most modern, diverse and fast-growing sectors in the economy of Ukraine. Unlike the country's dominating export industries,

Jan 03, 2026 Hot

QSFP28 Transceiver: The Ultimate 100G Optical

They have a design optimized for parallel optical transmission, which is necessary in high-speed networks like 40G, 100G, and beyond. MPO connectors

Mar 31, 2026 Hot

100GBASE-KR4 Standard: Complete Technical Guide

Learn 100GBASE-KR4 backplane Ethernet standard: 4-lane 100 Gigabit transmission, Reed-Solomon FEC, applications in data centers and

Sep 26, 2025 Hot

From Gigabit to 100G: Evolution of Media Converters and Optical ...

Discover how media converters and optical transceivers have evolved from 1G to 100G, enabling faster, more reliable network connectivity.

Nov 29, 2025 Hot

WORLD WIDE WEB JOURNAL Home

O'Reilly & Associates, Inc. 103A Morris St. Sebastopol, CA United States

Nov 20, 2025 Hot

EthernetRoadmap 2025-Side1-Final-RGB

These warehouse-scale data centers utilize a diverse mix of active and passive copper cables, multi-mode and single-mode fiber, and emerging technologies like Linear Pluggable Optics

Jun 29, 2026 Hot

A Comprehensive Guide to 100G Optical

Understand the technology, market trends, purchasing skills, etc. of 100G optical transceivers and their role in high-speed connections in data centers.

Oct 26, 2025 Hot

Everything You Need to Know About the QSFP28 100G Cable for High-Speed ...

The QSFP28 100G cable is an active optical cable that enables 100Gbps data transfer between devices with QSFP28 ports, offering a simplified, low-latency alternative to traditional fiber and copper solutions.

Dec 13, 2025 Hot

A Deep Dive into the QSFP28-100G-ZR4 Optical

QSFP28-100G-ZR4 transceiver enables 100G data transmission up to 80km using single-mode fiber, ideal for long-distance, high-speed network

Oct 30, 2025 Hot

Barometer of fixed internet connections in Ukraine

Our analysis In 2020, nPerf users conducted 400,935 connection tests on Ukraine's five largest Internet Service Providers. Lanet dominates the market in terms of performance of fixed

Sep 17, 2025 Hot

100G Transceivers - What You Need to Know Before

100G Transceivers - What You Need to Know Before you Buy! 100G Transceivers The shift to 100G networks isn't just for giant data centers anymore.

Mar 18, 2026 Hot

Optical Transport Networks for 100G Implementation in FPGAs

Altera® Stratix® IV GT FPGAs solve the problem for both 100G transport and 100G Ethernet by providing integrated 11.3-Gbps transceivers in the 40-nm technology node. In addition, Altera's

Jan 17, 2026 Hot

QSFP28 100G AOC high-speed interconnection optical cable

QSFP28 100G AOC high-speed interconnection optical cable Posted on Apr-06-2026 With the explosive growth of compute-intensive services such as cloud computing, big data, and AI, data throughput

Dec 01, 2025 Hot

What Are the Types of 100G QSFP28 Cables?

The QSFP28 cable comes in two main forms: a high-speed cable with QSFP28 connectors on both ends, enabling 100Gbps data transmission over a

Nov 12, 2025

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.eedenmarketing.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

Address: Ningbo, China

This document is for informational purposes only. Specifications subject to change without notice.

