

Cambodia Joins ONT Optical Network Terminal 1G



Overview

The upgrade involves migrating from GPON to Nokia's Lightspan Optical Line Terminals (OLTs) and Altiplano Access Controller, which will enhance network automation and improve service reliability. The deployment will cover key locations, including Phnom Penh, Siem Reap, and other. Phnom Penh, Cambodia – February 13, 2025 – In a significant move to enhance Cambodia's digital infrastructure, Nokia and Cellcard have announced a partnership to upgrade the nation's fiber broadband network. This initiative will transition the existing Gigabit Passive Optical Network (GPON) to the. TP-LINK Archer C9 is one of the most suitable and best valued Wifi routers for homes and small businesses at only \$160. After switching to SINET, here at Kampuchea Party Republic we have never looked back. Being a photography and video company we have to download and upload large amounts of data. Nokia partners with Cellcard to upgrade its fiber broadband network in Cambodia from GPON to XGS-PON, enabling up to 10Gb/s speeds and improving user experiences for high-bandwidth applications.



Article Content

Nov 04, 2025

Optical Terminal

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

Dec 16, 2025

Optical Network Terminal (ONT) Units

Description An optical network terminal (ONT) unit is a device that connects fiber optics cables to other wiring such as Ethernet and phone lines by converting the signal from optical to electrical and vice

Jun 10, 2026

Cambodia's SINET picks Nokia for FTTH

SINET will deliver broadband services targeted residents living in newly-built gated borey and housing apartments with the Nokia GPON Mini Optical Line Terminal (OLT).

Aug 17, 2025

What is an ONT (Optical Network Terminal) | IO by

Optical Network Terminals have diverse applications in bringing high-speed, reliable, and efficient fiber optic connectivity to homes, businesses, and

Oct 18, 2025

Nokia and Cellcard Collaborate to Elevate Cambodia

This initiative will transition the existing Gigabit Passive Optical Network (GPON) to the advanced 10-Gigabit Symmetrical Passive Optical

Nov 01, 2025

What Is An Optical Network Terminal?

When you've decided on new fast fiber internet service, you'll hear a lot about getting an Optical Network Terminal (ONT) device. You absolutely need

May 04, 2026

Defining ONT: Optical Network Terminal

Optical Network Terminal (ONT) explained: Dive into what they are, the parts they're made of, and how they facilitate connectivity.

Apr 27, 2026

Exploring the Essential Functions of an Optical Network

Discover the crucial role of an ONT in fiber optic networks, its functions, evolution, and diverse types. Learn about ONT integration with smart

Sep 21, 2025

Nokia and Cellcard bring 10Gbps speeds to homes in Cambodia

With the Nokia-Cellcard collaboration, Cambodian residents can enjoy up to 10Gbps internet speeds for seamless streaming, gaming and browsing experiences. The new network is

Mar 17, 2026

A Quick Guide to ONT (Optical Network Terminal)

Understand how an Optical Network Terminal (known as an ONT) functions, how it differs from Optical Line Terminal (OLT), and its Role in

Jan 15, 2026

Learn about the fiber-optic ONT | Ziplly Fiber

The Optical Terminal Network (ONT) is a crucial component that makes fiber-optic internet work seamlessly. Learn about the ONT's role in

Mar 22, 2026

Understanding Optical Network Terminal (ONT)

1. Optical Interface Type The primary function of an ONT is to convert optical signals from the fiber optic network into electrical signals that can be used

Nov 05, 2025

What is an Optical Network Terminal (ONT)? Your

This is where the ONT comes in ☐☐ What is an Optical Network Terminal (ONT)? An Optical Network Terminal (ONT), also known as a fiber

Jan 09, 2026

GigaPoint ONTs and ONUs | Calix

The GigaPoint® GP4200AH optical network terminal is an outdoor rated, 2.5 Gbps GPON and 1.0 Gbps Active Ethernet (AE) service delivery terminal providing one

Sep 06, 2025

ONT (Optical Network Terminal) Definition

Stands for " Optical Network Terminal." An ONT is a peripheral device that provides a physical bridge between a fiber optic Internet connection

Jan 19, 2026

What is an ONT (Optical Network Terminal)? | Race Help Center

An Optical Network Terminal (ONT) is an essential device for all our customers. This device allows the delivery of fiber optic Internet into your home, functioning much like a traditional

Jun 27, 2026

What is an Optical Network Terminal (ONT)? | Webopedia

Key Takeaways The Optical Network Terminal (ONT) connects your home to fiber internet, converting light signals into usable data for high-speed,

Apr 02, 2026

ONT vs ONR: What's the Difference?

When you sign up for fibre broadband in Singapore, the equipment your ISP installs at home falls into one of two categories: an ONT (Optical

Oct 01, 2025

Data Sheet - SNR-ONT-1G

The SNR-ONT-1G is comprised of one GPON uplink and Gigabit Ethernet downlink supporting 10/100/1000Base-T (RJ45). It helps service providers to extend their core optical network all the way

Jan 06, 2026

Cellcard and Nokia Partner to Upgrade Cambodia's

The upgrade involves migrating from GPON to Nokia's Lightspan Optical Line Terminals (OLTs) and Altiplano Access Controller, which will

Feb 26, 2026

What is Optical Network Terminals (ONT)?

Explore Optical Network Terminals (ONT), their functions, and how they support efficient, high-speed connectivity in modern fiber networks.

Nov 02, 2025

Nokia and Sinet deploy Cambodia's first XGS-PON enabled high

PHNOM PENH, Cambodia – Nokia today announced that SINET, Cambodia's leading Internet Service Provider, has chosen Nokia to deploy its XGS Passive Optical Network (PON)

May 15, 2026

What Is ONT? Understand Optical Network Terminal in

An Optical Network Terminal (ONT) is a critical device in fiber-optic networks, enabling high-speed, stable connectivity for homes, businesses,

Nov 15, 2025

10G LAN XGS PON ONU & ONT OXG 99C

The OXG-99C is an Optical Network Terminal (ONT) equipped with XGS-PON technology, it supports 10Gbps speed for up/downlink, bringing the higher

May 25, 2026

Nokia and Cellcard upgrade residential fiber broadband network in

As part of the agreement, Nokia will provide Optical Line Terminals (OLTs) and the Altiplano Access Controller in major cities, including Phnom Penh and Security Information and Event...

Feb 28, 2026

Optical network terminals

Our next generation of multigigabit XGS-PON optical network terminals (ONTs) is here and ready to support the most bandwidth-intensive subscribers on your

Jun 10, 2026

What is an ONT for a Fiber Optic Network? | Glo Fiber

Connecting a fiber ONT to your home Fortunately, you don't have to worry about setting up a fiber optical network terminal in your home if you want to get the benefits of this internet type.

Jun 10, 2026

SINET – SINET | Dedicated Fiber. Dedicated Speed. Dedicated

Each connection is powered by a dedicated optical fiber directly from SINET distribution node. We do not share your fiber core with other customer's. Each port is a Gigabit Ethernet port with a maximum

Sep 09, 2025

Nokia, Cellcard Upgrade Cambodia's Fiber Network

Phnom Penh, Cambodia – The two companies, Nokia and Cellcard, have embarked on a significant upgrade for the fiber broadband network of

Contact Us

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