

Ireland ONT Optical Network Terminal 1G



Article Overview

1G ONTs, such as the SNR-ONT-1G and Nokia G-010G series, provide Gigabit GPON connectivity for residential and small business fiber networks.

Overview of 1G ONTs

1G Optical Network Terminals (ONTs) are devices that connect end-users to a Gigabit Passive Optical Network (GPON), enabling high-speed fiber-to-the-home (FTTH) services. They typically support upstream speeds of 1.25 Gbps and downstream speeds of 2.5 Gbps, delivering 1 Gbps Ethernet service to subscriber equipment via a standard RJ45 port (10/100/1000Base-T) (SNR-ONT-1G) . These ONTs are designed to extend the core optical network directly to homes or small businesses, eliminating last-mile bandwidth bottlenecks.

Key Features

- **GPON Compliance:** Fully compliant with ITU-T G.984 standards, ensuring interoperability with GPON Optical Line Terminals (OLTs) .
- **Ethernet Interface:** Provides a Gigabit Ethernet port for connecting routers, computers, or local networks .
- **Service Support:** Capable of delivering triple-play services (internet, voice, and IPTV) in FTTH environments .
- **Management:** Supports remote management via ONT Management Control Interface (OMCI) and platforms like Nokia 5520 Access Management System (AMS), allowing configuration, monitoring, and fault management .
- **Deployment Flexibility:** Can be used for single-subscriber connections or as a gate...

Article Content

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ONT 1 Port Gbit PoE (IP30)

The Nokia Optical Network Terminal (ONT) G-010P-A is designed to deliver gigabit speeds in an Optical LAN environment. The ONT

Mar 12, 2026

GPON ONT

GPON ONT The optical network terminal (ONT) is also referred to as the optical network unit (ONU). This customer premises optical

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The FOA Reference For Fiber Optics

In the CO or head end, the OLT (optical line terminal) has a port that connects to a single fiber, transmitting data bidirectionally at

Mar 15, 2026

Optical Line Terminals (OLT) | PON Network

FS provides Optical Line Terminals (OLT), free & fast delivery, expert tech support, outstanding warranties.

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Openreach Summarises New ONTs for UK FTTP

Network access provider Openreach (BT) has published a new Suppliers Information Note (SIN) for their

Mar 28, 2026

What is an Optical Network Terminal (ONT)? Your Bridge to Lightning ...

This is where the ONT comes in ☐☐ What is an Optical Network Terminal (ONT)? An Optical Network Terminal (ONT),

Jun 01, 2026

Openreach modem (ONT) explained: Ports and models available

If you are a fibre customer, it's likely you'll have an Openreach modem (or ONT) installed. This white box connects to a fibre-optic

Oct 27, 2025

What Is an ONT? Optical Network Terminals Explained | Reviews

An ONT (or optical network terminal) has a pivotal role in a fiber internet system. How exactly does it work? We explain

Jun 07, 2026

Decoding the Lights on Your ONT: A Comprehensive Guide

The lights on your ONT can indicate a range of things, including whether the device is powered on, whether it's

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ONT 1 Port Gbit PoE (IP30)

The ONT provides a Gigabit Ethernet (GigE) user interface and delivers a premium experience for all services, including voice, data

Jul 21, 2026

What Is an ONT & How Is It Used in Fiber Networks?

What makes fiber internet tick? One key component is the ONT (Optical Network Terminal) - the unsung

Sep 27, 2025

Full Guide of PON: OLT, ONT, ONU, ODN and other basic components

Optical Network Unit (ONU) / Optical Network Terminal (ONT) The ONU transforms the optical signal transmitted

Nov 30, 2025

What is an Optical Network Terminal?

An optical network terminal, sometimes also known as an optical network unit, is a device utilised for optical fibre

Feb 19, 2026

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

Aug 19, 2025

What is Optical Network Terminals (ONT)?

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

Jul 06, 2026

What Is ONT? Understand Optical Network Terminal in Fiber Network

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

Nov 03, 2025

Optical network terminals

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

Nov 30, 2025

6 Best Optical Network Terminals [2025 Bestseller]

Discover the 6 best optical network terminal modems from VSOL, offering high-speed connectivity, reliability, and

Dec 22, 2025

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

May 25, 2026

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

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

Jan 09, 2026

Door-to-door transportation of ONT optical network terminal 1G

The SNR-ONT-1G is comprised of one GPON uplink and Gigabit Ethernet downlink supporting 10/100/1000Base-T (RJ45). It helps

Dec 30, 2025

PLANET GPON SFU ONT with 1-Port Optical network terminal (ONT)

PLANET GPN-100 is a GPON Optical Network Terminal (ONT) equipped with one GPON port and one Gigabit Ethernet RJ45

Jul 22, 2026

OLT and ONT

Optical Network Unit Picture 1: AD-net 4 Fast Ethernet port ONU (Optical Network Unit) Functional design and chassis configuration

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Pictured – Openreach's Future 2.5Gbps ONT for FTTP Broadband

During the week we revealed that Openreach were preparing to pilot a faster 1.2Gbps and 1.8Gbps tier on their UK FTTP broadband

Dec 06, 2025

Cisco 10G Routed PON ONT Data Sheet

The small, slim, ruggedized design enables this ONT to be deployed in a wide variety of outdoor environments and

Nov 10, 2025

Fiber ONT

Every broadband optical network terminal you need GPON, XGS-PON or 25G PON, residential or business, with or without voice

Contact Us

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