

1. Product Overview

The Nokia Optical Network Terminal (ONT) G-010S-A is the answer for home networking delivered by Gigabit Passive Optical Network (GPON) Small Form-Factor Pluggable (SFP). The device is G.984.x (1/2/3/4/5) compliant with SFP packaging and integrates a bidirectional optical transceiver function with a GPON media access control (MAC) layer function. It provides a Gigabit Ethernet (GigE) service to any device capable of hosting this SFP, such as Ethernet switches, wireless backhaul equipment, Ethernet access devices (EADs), routers, remote digital subscriber line access modules (DSLAMs), and other customer premises equipment (CPE). The Nokia ONT G-010S-A is designed to take advantage of Nokia award-winning management platforms.



A. Technical Specifications

Height: 12.5 mm (0.49 in)

Width: 14.1 mm (0.56 in)

Depth: 72 mm (2.83 in)

Weight: 0.028 kg (0.06 lb)

Power consumption:

- Standby mode: 1.7 W
- Typical mode: 1.9 W

B. Manufacturer Information

For Products Purchased in EU/EAA Countries

The products are manufactured and imported by Nokia Solutions and Networks Oy.

Karakaari 7, 02160 Espoo, Finland.

Nokia is a registered trademark of Nokia Corporation.

For Products Purchased in the United States

The products are imported by Nokia of America Corporation.

- Offices: <https://www.nokia.com/contact-us/offices/#north-america>
- Support: <https://www.nokia.com/networks/business-support/>
- Other contacts: <https://www.nokia.com/contact-us/>

Please contact your Internet Services Provider in case of questions on the product.

2. Safety Guidelines

ALWAYS READ THE PRODUCT GUIDE BEFORE SET UP OR USE OF THE PRODUCT. IT IS YOUR RESPONSIBILITY TO FAMILIARIZE YOURSELF WITH THE PRODUCT GUIDE AND WARNINGS, AND TO USE A PRODUCT PROPERLY. CONTACT YOUR INTERNET SERVICES PROVIDER FOR FURTHER QUESTIONS.

Warning - Risk of electric shock or fire

Plug the product only in hosts with certified SFP sockets compliant with SFF INF-8074i standard.

Push the product down to the end of the cage until it is tightly hold and verify that it is not lose. See installation instructions below.

Only power the host device after the product has been plugged in and verify that the host device is powered within its specification limits.

Do not connect the product directly to a powering cable, power adaptor, receptacle, or outlet.

This device can reach high temperatures during operation. It is operative at temperatures of 85°C (185°F). Never leave flammable products in contact to this device while in operation.

Do not expose the product to damp or high moisture.

Do not install the product outside, only indoors or in environmentally protected enclosures.

Caution - Potential equipment damage

Follow these recommendations to protect yourself and the Product from harm:

- Do not look directly at the optical port without protection.
- Do not insert any sharp object into the openings of a Product.
- Do not put the Product near a heat source. Avoid placing the Product in direct sunlight.
- Do not put the Product in damp or wet locations; for example, near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool. Do not spill any liquid on the Product.
- Do not touch the Product or its power adapter or cord with wet hands.
- Do not place the Product on an unstable surface or support.
- Do not place heavy objects on top of the Products.
- Do not use liquid or aerosol cleaners; unplug the Product and use a soft, dry cloth for cleaning.
- When connecting a PC or other electronic device to a Product, make sure you use the right cables and connect the device to the right port of the Product. Incorrect connections may damage the device and/or the Product.
- Do not touch directly the metallic parts of this device while in operation. This device is operative at temperatures up to 85° Celsius (185° Fahrenheit) and can cause severe burning.

It is recommended that users and other individuals maintain a distance of at least 10 cm between themselves and the Product to avoid exposure. The Product contains components that emit an electromagnetic field and could interfere with pacemakers or other electronic medical devices. If you have a pacemaker or other implantable or personal medical device, please consult your physician or medical device manufacture about the required minimum safe distance between the Product and your medical device.

Keep your product and accessories out of reach of pets. They could damage it and cause injury or electrocuting.

If the Product malfunctions or fails to perform as expected, stop using it immediately.

The product is expected to operate at a temperature of -40 to 85 degrees Celsius for a relative humidity between 5% and 95%.

3. Install the ONT

1. Power off the host device.
2. Hold the product firmly by the wider section between the thumb and index fingertips. Push it into the SFP socket until the bottom.
3. With both hands' thumbs, push the external end of the product until you feel the click that it is locked. Make sure not to remove the protection cap during this operation.
4. Remove the protection cap with one hand, while you hold the optical fiber cord with the other hand.
5. Plug the fiber connector to the optical connector in the product.
6. Power on the host device.

4. EU Declaration of Conformity

Hereby, Nokia Solutions and Networks Oy declares that the Product is in compliance with Low Voltage Directive 2014/35/EU; EMC Directive 2014/30/EU, Directive RoHS 2011/65/EU and 2015/863/EU, and Directive Eco-design 2009/125/EC. The full text of the EU declaration of conformity, as well as additional compliance information, is available at www.nokia.com/notices/declaration-of-conformity/.

This product is a component of industrial range (extended operation temperature), but suitability of indoors or outdoors depends on the dissipation of the host device.

Specific precautions for EMC Warning

The Products are compliant with Class B of EN 55032. In a residential environment, this equipment may cause radio interference. The Products are tested to the requirements of EN 55032 (Emissions) and EN 55024 (immunity). There are no specific precautions which must be taken in order to comply with the requirements of Directive 2014/30/EU Essential Requirements in Section 1 of Annex I. In addition, the Products are further tested to ensure spurious emissions are within the specified limits, as well as

meeting the requirements for adaptivity, which mitigates against problems caused by co-location with other wireless products. The Products are not subject to the requirements in Section 2 of Annex I of Directive 2014/30/EU for fixed installations.

End of Life Collection and Treatment



In the European Union and European Economic Area, this label indicates that this product should not be disposed of with household waste. It should be deposited in an appropriate facility to enable recovery and recycling.

The Product is marked with this symbol, which is known as the WEEE mark. WEEE stands for Waste Electronics and Electrical Equipment. Electronic products bearing or referencing the WEEE mark shown above, when put on the market within the European Union (EU) and European Economic Area (EEA), shall be collected and treated at the end of their useful life, in compliance with applicable EU and local legislation. They shall not be disposed of as part of unsorted municipal waste. Due to materials that may be contained in the Product, such as heavy metals or batteries, the environment and human health may be negatively impacted as a result of inappropriate disposal.

At the end of their life, the Products are subject to the applicable local legislations that implement the European Directive 2012/19/EU on WEEE. There can be different requirements for collection and treatment in different member states of the European Union.

In compliance with legal requirements and contractual agreements, where applicable, Nokia will offer to provide for the collection and treatment of Products bearing the logo above at the end of their useful life, or Products displaced by Nokia equipment offers. The equipment can be disposed at electronic waste collection points or to stores that sell electronics.



For information regarding take-back of equipment by Nokia, or for more information regarding the requirements for recycling/disposal of the Product, contact your service provider. Regulatory compliance information, including EU Declaration of Conformity, can be found at www.nokia.com/notices/declaration-of-conformity/.

5. FCC Declaration of Conformity



This device complies with part 15 of the U.S. FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy

and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

No Unauthorized Modifications:

Do not make any changes or modifications to the Product without the prior express written approval of Nokia. Any changes or modifications made without express written approval could void the user's authority to operate the device.

FCC Information to User

Any product changes or modifications will invalidate all applicable regulatory certifications and approvals.

© 2021 Nokia Solutions and Networks Oy

Nokia is a registered trademark of Nokia Corporation