



## I-010G-U Features:

- Fully G.984 series GPON standard compliant
- IGMP v2/3 snooping
- Support for multicast GEM port
- G984.4 standard-compliant ONT Management Control Interface for ONT management and provisioning
- Auto-negotiation and MDI/MDIX auto-sensing
- AES decryption with key generation and switching
- Optics that support received signal strength indication
- FEC in both directions
- Performance monitoring and alarms

# Alcatel Nokia I-010G-U

The Alcatel Nokia I-010G-U GPON ONT indoor ONT provides a subscriber interface for the 7360 ISAM FX and 7302 ISAM.

The ONT terminates the PON interface and converts it to a user interface so that directly connects to subscriber devices.

## Specification

Dimensions• 36.5 mm x 105 mm x 82 mm (1.44 in. x 4.13 in. x 3.22 in. (h x w x d) • Weight: 109 g (0.24 lb), power adapter not includedPower supply• 12 V (feed through an external AC/DC adapter) • Dying gasp support • Power consumption: Less than 8 WOperating environment interference (EMI)• Temperature: -5°C to 55°C (23°F to 131°F) • Humidity: 5% to 90% relative humidity • UL 60950-1 • FCC Part 15b, Class B, IC-003 • ITU-T K.21GPON TC layer• G.984.3-compliant GPON Encapsulation Method (GEM) framing • Multiple GEM ports per device • Flexible mapping between GEM ports and TCONTs • G.984.3-compliant Advanced Encryption System (AES-128) • G984.3-compliant Advanced Encryption System (AES-128) • G984.3-compliant GPON/XGPON coexistenceButtons• Power • ResetInstallation LEDs• Desktop • Wall mountedLEDs• POWER • PON • ALARM		
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• PON		Wall mounted
• PON	LEDs	• POWER
• ALARM		• PON
		• ALARM

	• DATA
GPON network interface	<ul> <li>Compliant to G.984.x GPON standards</li> </ul>
	• Bidirectional Optical Sub Assembly (BOSA)
	type laser, subscription connector/angled
	physical contact SC/APC connector
	• 1.244 G burst mode upstream transmitter
	• 2.488 G downstream receiver compliant
	• Avalanche photodiode (APD) receiver and
	distributed feedback (DFB) transmitter
	• 0.5 dBm to 5.0 dBm launch power
	• -28 dBm to -8 dBm for receiving
	• Wavelengths: 1310 nm upstream, 1490 nm
	downstream
	•Laser compliant to FCC 21 CFR Part 15,
	Class B
	• 10/100/1000Base-T interface with RJ-45 connectors
Ethernet	• Ethernet port auto negotiation or manual configure.
	• Medium dependent interface/medium dependent
	interface crossover (MDI/MDIX) automatic sense
	<ul> <li>Supports port-based downstream priority queues</li> </ul>
	and strict priority scheduling for traffic Class of Service
	differentiation
	<ul> <li>Virtual switch based on 802.1Q VLAN</li> <li>VI AN tagging par Ethernet part and marking of</li> </ul>
	<ul> <li>VLAN tagging per Ethernet port and marking of 802.1p</li> </ul>
	<ul> <li>VLAN stacking (Q-in-Q) and VLAN translation</li> </ul>
	• CoS based on VLAN ID, 802.1p bit
	<ul> <li>IPv4 Type of Service/Differentiated Service Code</li> </ul>
	Point to 802.1p mapping for untagged frames
	<ul> <li>IGMPv2/v3 snooping</li> </ul>
	<ul> <li>Supports RFC 2236 (v2), RFC 3376 (v3)</li> </ul>
	Supports any source multicast/source specific
	multicast (ASM/SSM)

## **Contents of the package**



1. Alcatel Nokia I-010G-U

## 2. AC adapter

3. Quick installation guide (Guide, CE certificate reference, Safety regulations)

4. Ethernet cable for connecting the digital hub to your computer you can connect

## **Security measures**

The detailed Safety Guide is part of the User's Guide, please read and follow the instructions carefully.

• Do not look directly at the fiber source of the optical cable or the end of the connected optical cable, as the radiation is invisible to the human eye and may damage the retina.

- Do not bend the optical cable. Bending the cable can cause internal damage to the optical fiber.
- Do not touch the end of the optical cable. For best performance, it is important to keep it clean.

## SAFETY INSTRUCTIONS

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE INSTALLING OR USING THE PRODUCT. MAKE SURE TO FOLLOW THE INSTRUCTIONS FOR USE.

To reduce the risk of fire, electric shock, and injury to persons, follow basic safety precautions when using this product including:

- Always follow the installation instructions in the User's Guide.

- Do not connect or use the product during a storm. Interference transmitted by the electrical and / or telephone network may cause product malfunction and electric shock.

The product must be installed and used indoors; the lid of the product must not be covered. Plastic bags can cause suffocation. Keep these out of the reach of children.

#### **ENVIRONMENTAL CONDITIONS**

The product is intended for stationary use in offices or residential areas with temperatures up to 45 ° C (113 ° F).

Do not install in a location exposed to direct and excessive sunlight and / or radiant heat. It must not be placed in a place where heat build-up may occur and may not be exposed to moisture or condensation. Can be installed in an environment of pollution level 2

#### WATER AND MOISTURE

Do not install the product in a humid or dusty environment. Do not allow to come into contact with water or other liquids. No liquids should get inside the product. Do not use the product on wet fixtures near the bathtub, washbasin, sink, washing machine, in the wet cellar or by the swimming pool. If liquid or any other substance gets inside the machine, turn off the machine immediately or unplug the power cord from the electrical outlet. Continued use may result in electric shock or fire. When the product is transferred from a cold to a warm environment, condensation may form on some internal components. Allow the appliance to dry before operating it again.

#### MAINTENANCE AND CLEANING

Before cleaning, unplug the machine from the electrical outlet, and then unplug the computer and the computer.

Do not use liquid cleaners or sprays, chemicals that can damage plastic batteries, or substances that contain alcohol, benzene, thinner, or other flammable products. Use of these products may result in fire. To reduce the risk of electric shock, do not disassemble this product.

The device does not contain non-professional replaceable parts; it is therefore unnecessary to open it. Opening or removing covers may expose you to dangerous voltage points. Improper assembly may result in electric shock the next time you use it. If the device malfunctions, contact your service provider's customer service.

#### ELECTRIC POWER SUPPLY

Use the product only with the supplied AC adapter. Connect them to the mains as described in the installation instructions and on the identification sticker (mains voltage, current, frequency) on the device's power supply.

Using a power source other than that recommended for this product may cause the product to overheat or deform, resulting in electric shock or fire.

#### ACCESSIBILITY AND ELECTRICAL OVERLOAD

To disconnect the device in the event of a problem, make sure that the outlet to which the power cord is connected is easily accessible and as close as possible to the device. Do not overload wall outlets and extension cords as this might increase the risk of fire or electric shock.

#### DAMAGES REQUIRING REPAIR

Unplug this product and contact your service provider if you experience any of the following:

- if the power supply or plug is damaged;
- if any of the supplied cables are damaged or broken;
- if liquid has been spilled into the unit or if the unit has been exposed to rain or water;
- if the device does not work properly or there are significant differences in performance;
- if the device has been dropped or damaged in any way;
- if you notice signs of overheating;

Nokia certifies that this product meets the essential requirements and requirements set out in Directive 2014/53 / EU.

This mark certifies the safety of the equipment for the safety and health of users, the electromagnetic compatibility of the equipment, the proper use of the radio frequency spectrum and the reduction of the environmental impact of the product.

The frequency bands and maximum transmission power used by the product are as follows:



- 2400 2483.5 MHz: 100 mW
- 5150 5350 MHz: 200 mW
- 5470–5725 MHz: 1 W

This symbol indicates that your old electronic equipment should be collected separately and not can be disposed of with household waste. To this end, the European Union has set up a special collection and recycling system for which producers are responsible.



• Local collection points are available

- A free return system is available at distribution points to purchase equivalent equipment.
  - Follow sorting rules for packaging waste to facilitate recycling.