

NOKIA G-010G-P

GPON ONT WITH 1GE PORT

G-010G-P 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 that directly connects to subscriber devices.



FEATURES

- Fully G.984 series GPON standard compliant
- Advanced data features such as VLAN tag manipulation, classification, and filtering
- IGMP v2/3 snooping
- Support for multicast GEM port
- G984.4 standard-compliant ONT Management Control Interface (OMCI) 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 (RSSI)
- FEC in both directions
- Performance monitoring and alarms

SPECIFICATIONS

OPTICAL PARAMETERS	
Upstream wavelength operation	Minimum: 1290 nm Typical: 1310 nm Maximum: 1330 nm
INTERFACES	
10/100/1000BASE-T	1
GPON SC/APC	1
CONNECTION DESCRIPTION	
Fiber optic port	The SC/APC connection is provided through a fiber optic cable.
Ethernet port	This connection is provided through an Ethernet RJ-45 cable. One Ethernet connection is supported. The Ethernet port supports both data and in-band video services.
BUTTONS	
Reset button	Pressing the Reset button for less than 10 seconds reboots the ONT, keeping the key parameter values and the LOID/SLID. Pressing the Reset button for 10 seconds resets the ONT to its factory defaults, except for the LOID/SLID. Pressing the Reset button for any length of time will cause all LEDs to blink.
ON/OFF button	This button turns the ONT on or off.
LEDS	
POWER Green Off	Operating on AC power Power off
ALARM Off Red solid	Power of the optical signal received in the optical port of the ONT is within its working margins: Optical B+: Optical power > -27dBm Power of the optical signal received in the optical port of the ONT is below the threshold: Optical B+: Optical power < -27dBm
CONNECTION (PON in 3FE 45457 AA variant) Green Green flashing Off	Optical OK; ranged ONT is ranging Optical power off (LOS/LOF)
ETHERNET (LAN in 3FE 45757 AA variant) Green Green flashing Off	LAN connected, no traffic Traffic on port No LAN link

PHYSICAL SPECIFICATIONS		
Length	4.7 in. (12 cm)	
Width	3.5 in. (9 cm)	
Height	1.1 in. (2.7 cm)	
Weight	[within ± 0.5 lb (0.23 kg)] 0.7 lb (329 g)	
Maximum power (Not to exceed)	2.3 W	
Mounting method	Desk or wall mounted	
OPERATING ENVIRONMENT		
Temperature	32°F to 104°F (0°C to 40°C) ambient temperature	
Humidity	5% to 95% relative humidity, non-condensing	
ONT OR MDU MAXIMUM NOTES		
GEM ports per indoor or outdoor ONT	32 per UNI	32 are present: 30 are available, 2 are reserved for multicast and debugging
T-CONTs per indoor or outdoor ONT	9	9 are present, 1 is reserved for OMCI
THE G-010G-P INDOOR ONT IS COMPLIANT WITH THE FOLLOWING STANDARDS		
802.3 support for 10/100/1000 Base-T ports		
G.983.3 support for dynamic bandwidth reporting (Piggyback DBRu: Mode 0)		
G.984.3 support for multicast using a single GEM Port-ID for all video traffic		
G.984.3 support for AES with operator enable/disable per port-ID level		
G.984.3 support for FEC in both upstream and downstream directions		
G984.4 (standard and revised) support for OMCI interface for ONT management and provisioning		