NOKIA I-010G-U

GPON ONT WITH 1GE PORT

FEATURES

- Supports 1 GigE interfaces
- Wire speed data transfer for all packet sizes
- Per-subscriber, per-service bandwidth control
- Remotely managed by the Alcatel-Lucent 5520 AMS Access Management System (AMS)
- IP video with multi-stage IGMPv2 or IGMPv3 for channel change
- Supports received signal strength indicator (RSSI) for lean operations and remote troubleshooting
- Wall and desktop mounting

SPECIFICATIONS

PHYSICAL	
Length	120 mm (4.7 in.)
Width	90 mm (3.5 in.)
Depth	28 mm (1.1 in.)
Wall or desk mount	
OPERATING ENVIRONMENT	
Temperature	0°C to 50°C (32°F to 122°F)
Humidity	5% to 95% relative humidity
POWER REQUIREMENT	
Local powering with 12 V input (feed uses external AC/DC adapter)	
Dying gasp support	
Maximum power 4 W	
REGULATORY COMPLIANCE	
RoHS 6	
CE Mark	
GPON INTERFACE	
2.488 Gb/s line rate downstream, 1.244 Gb/s line rate upstream	
Standard connector/angled physical contact (SC/APC) optical connector	
G.984.2-compliant with Class B+ optical line terminal (OLT)	
1490 nm wavelength downstream, 1310 nm wavelength upstream	
G.984.3-compliant dynamic bandwidth reporting	
G.984.3-compliant Advanced Encryption System (AES) in downstream (DS)	
G.984.3-compliant Forward Error Correction (FEC)	
G.988 Appendix 1 and 2	
Remote software image download, activation and reboot	
ETHERNET	
IEEE 802.3-compliant 10/100/1000 Base-T ports	
Media Dependant Interface/Media Dependant Interface Crossover (MDI/MDIX) automatic sensing	
Data transfer at wire speed for all packet sizes	
Broadcast/Multicast rate limiting	
Virtual LAN (VLAN) tagging/detagging	
VLAN stacking and VLAN translation	
Class of Service (CoS) based on 802.1p, 802.1q, Type of Service/ Differentiated Services Code Point (ToS/DSCP)	
IP ToS/DSCP to 802.1p mapping	
VOICE	
External integrated access device (IAD) is needed to deliver voice service on FTTH	
IP VIDEO SERVICE	
Supports IGMPv2 and IGMPv3 snooping	
G.984.3-compliant multicast	
Uses a single GEM Port ID for all video traffic (as mandated by G.984.3)	

LED
Power
Alarm
Connection
Ethernet