

HG8010N-10 Datasheet

Huawei HG8010N-10, a bridging-type ONT

Overview

The Huawei HG8010N-10 is a bridging-type ONT used in the Huawei all-optical access solution. It implements ultra-broadband access through the GPON technology. It provides 2.5 GE port. The high-performance forwarding capability ensures the service experience of data and HD video services, and provides users with ideal terminal solutions and future-oriented service support capabilities.

- Smart service
- Smart interconnection
- Smart O&M



Device Parameters

Dimensions (H x W x D) (without pads)	26 mm x 88 mm x 88 mm	System power supply	12 V DC, 1 A
Weight	About 90g	Static power consumption	4.3 W
Operating temperature	0°C to 40°C	Maximum power consumption	5 W
Operating humidity	5% RH to 95% RH (non-condensing)	NNI	GPON
Power adapter input	100–240 V AC, 50/60 Hz	UNI	2.5GE
Optical Connector	SC/APC	Indicators	POWER/PON/LOS/2.5GLAN

Memory	128M flash, 128MB RAM	-	-
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Interface Parameters

GPON port	Ethernet port
<ul style="list-style-type: none"> Class B+ Receiver sensitivity: -27dBm Wavelengths: US 1310 nm, DS 1490 nm Wavelength blocking filter (WBF) Flexible mapping between GEM Port and TCONT GPON: consistent with the SN or password authentication defined in G.984.3 Bi-directional FEC SR-DBA and NSR-DBA 	<ul style="list-style-type: none"> Ethernet port-based VLAN tags and tag removal 1:1 VLAN, N:1 VLAN, or VLAN transparent transmission QinQ VLAN Limit on the number of learned MAC addresses MAC address learning Transparent transmission of IPv6 packets at Layer 2 2.5GE: Supporting 10 Mbit/s, 100 Mbit/s, 1000 and 2500 Mbit/s auto-adaptation


Product Function

Smart O&M	Power saving	QoS	Security
<ul style="list-style-type: none"> Variable-length OMCI messages Active/Passive rogue ONT detection and isolation PPPoE/DHCP simulation testing 	<ul style="list-style-type: none"> Indicator power saving Power consumption reduction of idle components in power-saving state 	<ul style="list-style-type: none"> Ethernet port rate limitation 802.1p priority SP/WRR/SP+WRR Broadcast packet rate limitation Flow mapping based on the VLAN ID, port ID, or/and 802.1p 	<ul style="list-style-type: none"> MAC address filtering
Common O&M		Multicast	
<ul style="list-style-type: none"> OMCI/Web UI Dual-system software backup and rollback 802.1ag Ethernet OAM Optical link measurement and diagnosis Loopback check 		<ul style="list-style-type: none"> IGMP v2/v3 snooping MLD v1/v2 snooping Fast leave VLAN tag translation, transparent transmission, and removal for downstream multicast packets IGMP/MLD protocol packet rate limitation 	

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