A SMARTER WAY
for Your Broadband Life

Huawei HG8540M, an intelligent routing-type ONT

Smart Interconnection

Smart Service

Smart O&M

HUAWEI

Device Parameters

Dimensions (H x W x D)	156mm × 125mm × 30mm	System power supply	11V ~ 14V DC , 0.5 A
Weight	< 500 g	Static power consumption	5.1 W
Operating temperature	0℃ ~ +40℃	Maximum power consumption	9.2 W
Operating humidity	5% RH ~ 95% RH , (non-condensing)	Ports	1GE+3FE
Power adapter input	150V ~ 264V AC , 50Hz ~ 60Hz	Indicators	POWER/PON/LOS/LAN

Interface Parameters

PON Port

- Class B+/PX20+
- Receiver sensitivity: -27dBm
- Operating wevelengths: US 1310nm, DS 1490nm
- WBF
- Flexible mapping between GEM Port and TCONT
- GPON consistent with: SN/Password/LOID(GPON) ; MAC/Key/LOID(EPON)
- Bi-directional FEC (Forward Error Correction)
- SR-DBA, NSR-DBA

Ethernet Port

- Ethernet port-based VLAN
- 1:1 VLAN/N:1 VLAN/VLAN transmission
- QinQ VLAN
- MAC addresses limitation
- MAC addresses learning
- Ethernet ports switching
- IPv6 transparent transmission

Product Function

Smart O&M	• IPTV video quality diagnosis • Rogue ONT detection and isolation • PPPoE/DHCP simulation testing • Variable-length OMCI messages	**Layer 3 Features**	• PPPoE/Static IP/DHCP • NAT/NAPT • Port forwarding • ALG/UPnP • DDNS/DNS server/DNS Client • IPv6/IPv4 dual stack, DS-Lite • Static/Default routes • RIPv2 • Multiple services on one WAN port
Smart Interconnection	• Any port Any service • Parental control		
QoS	• Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRR • Broadcast packet rate limitation	**Multicast**	• IGMP v2/v3 snooping • IGMp v2/v3 proxy • MLD v1/v2 snooping
Power Saving	• Dynamic power saving • Indicator power saving	**Security**	• SPI firewall • DoS attack protection • MAC/IP/URL addresses
O&M	• OMCI/Web UI/TR069 • Dual-system software backup and rollback		

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