A Smarter Way
for Your Broadband Life

Huawei HS8145V ,an intelligent routing-type ONT

Smart interconnection

Smart service

Smart O&M
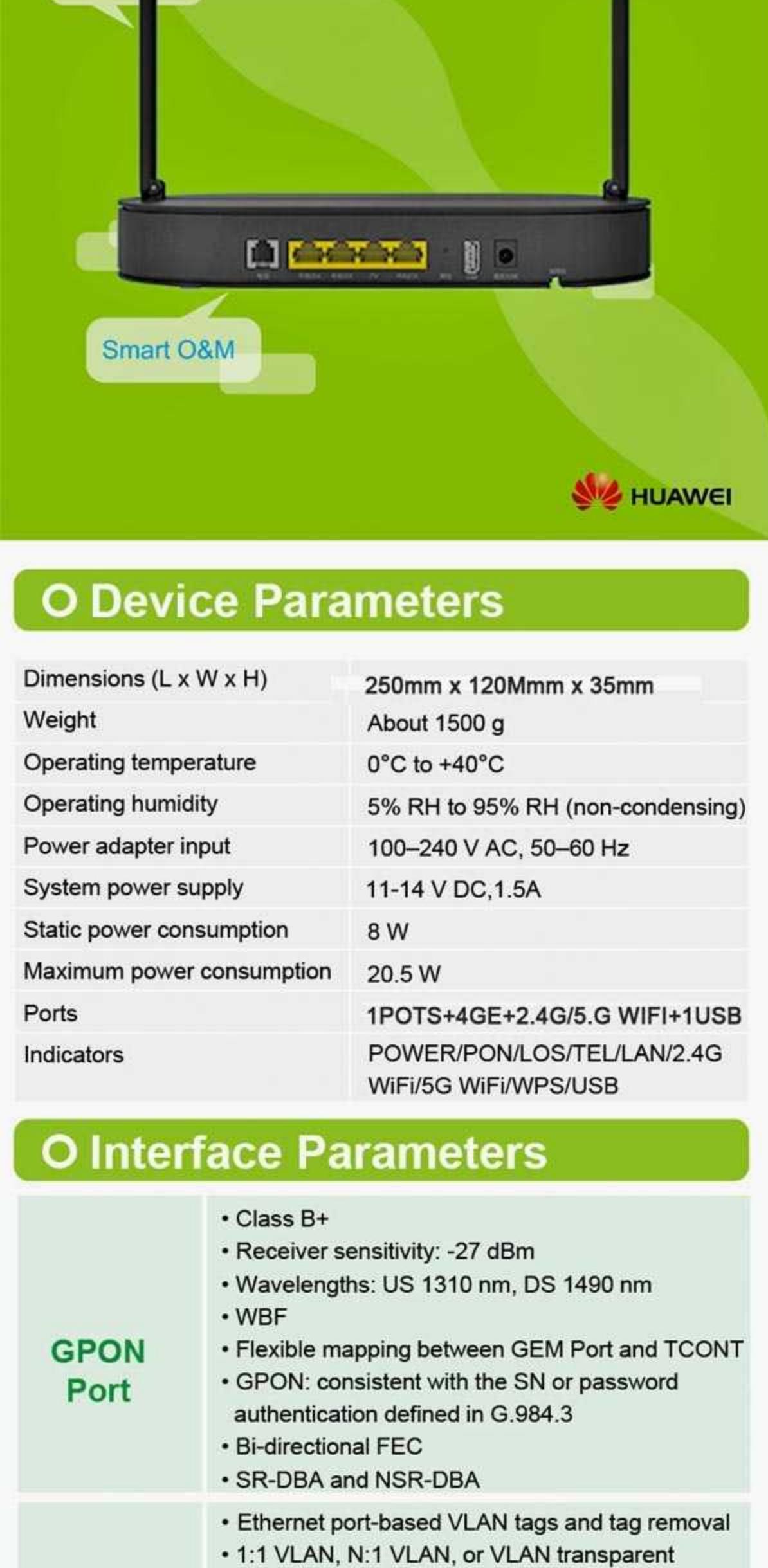
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O Device Parameters

Dimensions (L x W x H)	250mm x 120Mmm x 35mm
Weight	About 1500 g
Operating temperature	0°C to +40°C
Operating humidity	5% RH to 95% RH (non-condensing)
Power adapter input	100–240 V AC, 50–60 Hz
System power supply	11-14 V DC,1.5A
Static power consumption	8 W
Maximum power consumption	20.5 W
Ports	1POTS+4GE+2.4G/5.G WIFI+1USB
Indicators	POWER/PON/LOS/TEL/LAN/2.4G WiFi/5G WiFi/WPS/USB

O Interface Parameters

GPON Port	• Class B+ • Receiver sensitivity: -27 dBm • Wavelengths: US 1310 nm, DS 1490 nm • 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
Ethernet Port	• 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
POTS Port	• Maximum REN: 4 • G.711A/µ, G.729a/b and G.722 encoding/decoding • T.30/T.38/G.711 fax mode • DTMF • Emergency calls (with the SIP protocol)
USB Port	• USB2.0 • FTP-based network storage • File/Print sharing based on SAMBA • DLNA DMS/UPnP AV (media server)

WLAN	• IEEE 802.11 b/g/n (2.4G)
	• IEEE 802.11 a/n/ac (5G)
	• 2 × 2 MIMO (2.4G); 2 × 2MIMO (5G)
	• Antenna gain: 3 dBi
	• WMM/Multiple SSIDs/WPS
	• 2.4G/5G concurrent
	• Air interface rate:
	  300 Mbit/s (2.4G)
	  1300 Mbit/s (5G)

O Product Function

Smart interconnection

• Smart Wi-Fi coverage
• SIP/H.248 auto-negotiation
• Any port any service
• Parental control
• L2/L3(IPv4) forwarding: 1G uplink, 2G downlink

Smart service

• Smart Wi-Fi sharing:
  Portal/802.1x authentication
  SoftGRE-based sharing
  Association of one account with two POTS ports

Smart O&M

• IPTV video quality diagnosis
• Variable-length OMCI messages
• Active/Passive rogue ONT detection and isolation
• Call emulation, and circuit test and loop-line test
• PPPoE/DHCP simulation testing
• WLAN emulation

Layer 3 Features

• PPPoE/Static IP/DHCP
• NAT/NAPT
• Port forwarding
• ALG, UPnP
• DDNS/DNS server/DNS client
• IPv6/IPv4 dual stack, DS-Lite and IPv6 SPI
• Static/Default routes
• Multiple services on one WAN port

Multicast

• IGMP v2/v3 proxy(V300R015C00)/snooping
• MLD v1/v2 snooping
• Multicast services through Wi-Fi

QoS

• Ethernet port rate limitation
• 802.1p priority
• SP/WRR/SP+WRR
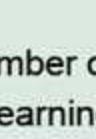• Broadcast packet rate limitation

Security

• SPI firewall
• Filtering based on MAC/IP/URL addresses

Common O&M

• OMCI/Web UI/TR069
• Dual-system software backup and rollback

Power Saving

• Dynamic power saving
• Indicator power saving
• Scheduled Wi-Fi shutdown
• COCv5

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