

HS8145X6 Datasheet 01 (China Telecom)

Huawei intelligent Wi-Fi 6 routing-type ONT HS8145X6

Overview



Device Parameters

Dimensions (H x W x D)	35mm x 240mm x 115mm (without an external antenna)	System power supply	11 ~ 14V DC, 1.5 A
Weight	356 g	Maximum power consumption	18 W

Operating temperature	0°C ~ +40°C	Network interface	GPON/EPON
Operating humidity	5% RH ~ 95% RH, non-condensing	User ports	1POTS+4GE+2USB+2.4G&5G Wi-Fi 6
Power adapter input	170 ~ 240 V AC, 50/60 Hz	Fiber interface	SC/UPC
Indicators	POWER/REGISTER/OPTICAL SIGNAL/1-4/TEL/USB-1 /USB-2/ WLAN/WPS	Memory	256M flash, 512M RAM

Interface Parameters

GPON/EPON Port	2.4G&5G Wi-Fi
<ul style="list-style-type: none"> GPON: Class B+/EPON: PX20+ Receiver sensitivity: -27dBm Overload optical power GPON:-8dBm / EPON: -3dBm Wavelengths: U S 1310nm, D S 1490nm Support WBF Authentication: SN/Password/LOID(GPON); MAC/Key/LOID(EPON) Bi-directional FEC (Forward Error Correction) SR-DBA and NSR-DBA 	<ul style="list-style-type: none"> IEEE 802.11 b/g/n/ax(2.4G) IEEE 802.11 a/n/ac/ax(5G) 2x2 MIMO (2.4G&5G) Antenna gain: 5dBi WMM(Wi-Fi Multi Media) Multiple SSIDs WPS Air interface rate: 574 Mbit/s(2.4G); 2402 Mbit/s(5G) Beamforming Band steering DL OFDMA DL MU-MIMO 1024QAM 160MHz WPA3
Ethernet port	
<ul style="list-style-type: none"> Limit on the number of learned MAC addresses MAC address learning Auto-adaptive 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s 	
POTS port	USB port
<ul style="list-style-type: none"> Maximum REN: 4 G.711A/u, G.729a/b, G.722 encoding/decoding T.30/T.38/G.711 fax mode DTMF Emergency calls (with the SIP protocol) 	<ul style="list-style-type: none"> USB 2.0

Product Function

Layer 3 features	Smart service	Smart O&M	Smart interconnection
<ul style="list-style-type: none"> • PPPoE/Static IP/DHCP • NAT/NAPT • Port forwarding • ALG,UPnP • DDNS/DNS server/DNS Client • IPv6/IPv4 dual stack, and DS-Lite • Static/Default routes • Multiple services on one WAN port 	<ul style="list-style-type: none"> • Scheduled Wi-Fi shutdown • Smart Wi-Fi sharing: Portal/802.1x authentication; SoftGRE-based sharing 	<ul style="list-style-type: none"> • IPTV video quality diagnosis (VMOS&eMDI) • Rogue ONT detection and isolation from the OLT • Call emulation, and circuit test and loop-line test • PPPoE/DHCP simulation testing 	<ul style="list-style-type: none"> • Smart Wi-Fi coverage • SIP/H.248 auto negotiation • Any port Any service Parental control
Home network feature	Multicast	Security	Power saving
<ul style="list-style-type: none"> • Visualized home network management • User-defined bandwidth allocation • Band steering • Wi-Fi optimization & Wi-Fi roaming • Wi-Fi O&M • intelligent identification and anti-interference 	<ul style="list-style-type: none"> • IGMP v2/v3 snooping • IGMP v2/v3 proxy • MLD v1/v2 snooping 	<ul style="list-style-type: none"> • SPI firewall • Prevent DOS a t t a c k • Filtering based on MAC/IP addresses 	<ul style="list-style-type: none"> • Indicator power saving
	QoS	O&M	
	<ul style="list-style-type: none"> • Ethernet port rate limitation • 802.1p priority • SP/WRR/SP+WRRBroadcast packet rate limitation 	<ul style="list-style-type: none"> • OMCI/Web UI/TR069 • Variable-length OMCI messages • Dual-system software backup and rollback 	