



HG3221D-4G1S2NAC / HG3221D-4G2S2NAC



1GE(WAN/LAN1)+3GE(LAN)+1POTS+1USB3.0+Wi-Fi 5 HGU /
1GE(WAN/LAN1)+3GE(LAN)+2POTS+1USB3.0+Wi-Fi 5 HGU ONT

Key Features:



High Performance Solution



Wi-Fi 5 Dual Band
1200Mbps



IPv4/IPv6 Dual Stack



USB3.0 Interface
For Shared Storage

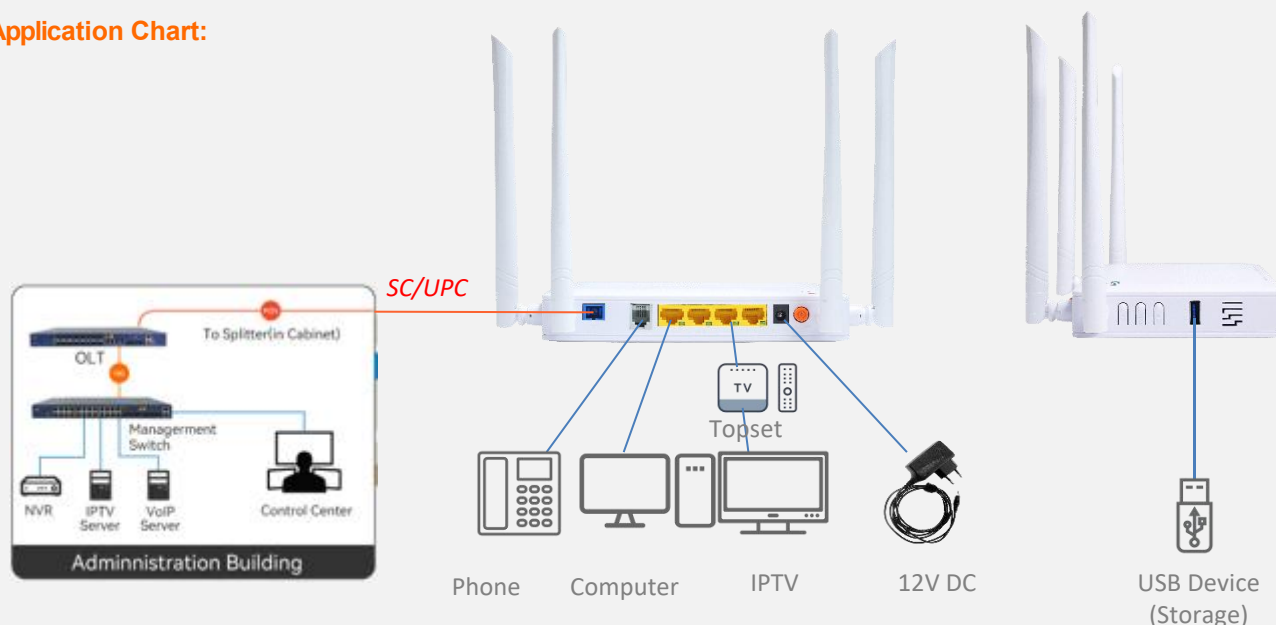
Introduction:

HG3221D-4G1S2NAC/4G2S2NAC (1GE(WAN/LAN1)+3GE(LAN)+1POTS/2POTS +Wi-Fi 5+USB3.0 XPON HGU ONT) is a broadband access device specially designed to meet the needs of fixed network operators for FTTH and triple play services.

The ONT is based on high-performance chip solutions, supports XPON dual-mode technology (EPON and GPON), and also supports IEEE802.11b/g/n/ac WiFi technology and other Layer 2/Layer 3 functions, providing data service for carrier-grade FTTH applications. In addition, the ONT also supports the OAM/OMCI protocol, and we can configure or manage various services of the ONT on the VSOL OLT.

The ONT has high reliability, is easy to manage and maintain, and has QoS guarantees for various services. It conforms to a series of international technical standards such as IEEE802.3ah and ITU-T G.984

Application Chart:



○ Hardware Parameter

Dimension	178mm×120mm×30mm(L×W×H)
Net weight	0.32Kg
Operating condition	Operating temp:-10 ~ +55°C Operating humidity:5 ~ 95% (non-condensing)
Storing condition	Storing temp: -40 ~ +70°C Storing humidity: 5 ~ 95% (non-condensing)
Power adapter	DC 12V/1.5A, external AC-DC power adaptor
Power supply	≤10W
Interface	HG3221D-4G1S2NAC: 4GE+1POTS+USB3.0+Wi-Fi 5
	HG3221D-4G2S2NAC: 4GE+2POTS+USB3.0+Wi-Fi 5
Indicators	PWR,PON ,LOS,WAN,WiFi,FXS,ETH1~4,WPS,USB

○ Interface Parameter

PON Interface	• 1XPON port(EPON PX20+ and GPON Class B+) • SC single mode, SC/UPC connector • TX optical power: 0~+4dBm • RX sensitivity: -27dBm • Overload optical power: -3dBm(EPON) or -8dBm(GPON) • Transmission distance: 20KM • Wavelength: TX 1310nm, RX1490nm
User interface	• 4×GE, Auto-negotiation,RJ45 ports • LAN1 supports WAN mode • 1×POTS(2×RJ11 option) RJ11 Connector
Antenna	2.4GHz: 2T2R; 5GHz: 2T2R,5dBi external antennas
USB	1×USB 3.0 for Shared Storage

○ Function Data

Mgmt	• WEB/TELNET/OAM/OMCI/TR069 • Support private OAM/OMCI protocol and Unified network management of VSOL OLT
Internet connection	Support Bridge and Routing mode
Multicast	IGMP v1/v2/v3, IGMP snooping
VoIP	• SIP and IMS SIP • Codec: G.711/G.723/G.726/G.729 codec • Echo cancellation,VAD/CNG,DTMF • T.30/T.38 FAX • Caller Identification/Call Waiting/Call Forwarding/Call Transfer/Call Hold/3-way Conference • Line testing according to GR-909
WIFI	• Support Frequency:2.4 GHz,5GHz • IEEE 802.11a/n/ac Wi-Fi@ 5GHz(2x2) • IEEE 802.11b/g/n Wi-Fi@2.4GHz(2x2) • Multiple SSIDs for each band • WEP/WPA-PSK(TKIP)/WPA2-PSK(AES) Security
L2	802.1D&802.1ad bridge, 802.1p Cos, 802.1Q VLAN
L3	IPv4/IPv6, DHCP Client/Server,PPPoE, NAT,DMZ, DDNS
Firewall	Anti-DDOS, Filtering Based on ACL/MAC/URL

Product Name	Product Description	Accessories
HG3221D-4G1S2NAC	1GE(WAN/LAN1)+3GE(LAN)+1POTS+Wi-Fi 5	AC-DC power adaptor: DC12V/1.5A
HG3221D-4G2S2NAC	1GE(WAN/LAN1)+3GE(LAN)+2POTS+Wi-Fi 5	