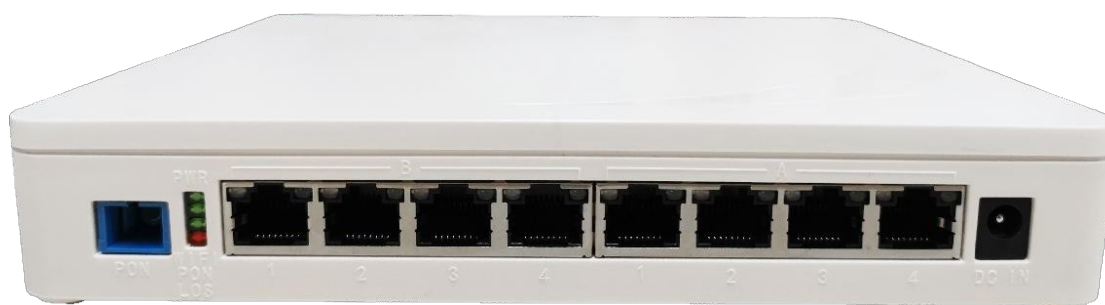




## DigiSAT DGS-1008WP – GPON POE WiFi SWITCH



### TECHNICAL /FEATURES

## DGS-1008WP

XPON+8×GE(POE+)+2×2 WiFi5

#### Key Features:

- Support xPON Dual Mode
- 8×POE, IEEE802.3at, Max 30W/Port
- WiFi5, 2.4G/5Ghz Dual Band, Internal Antenna
- Support Multi SSIDs & WiFi Roaming(1 SSID)
- Support L2TP / IPsec VPN protocol
- Firewall Based on MAC / ACL / URL
- Smart O&M : WebUI / SNMP / TR069 / CLI



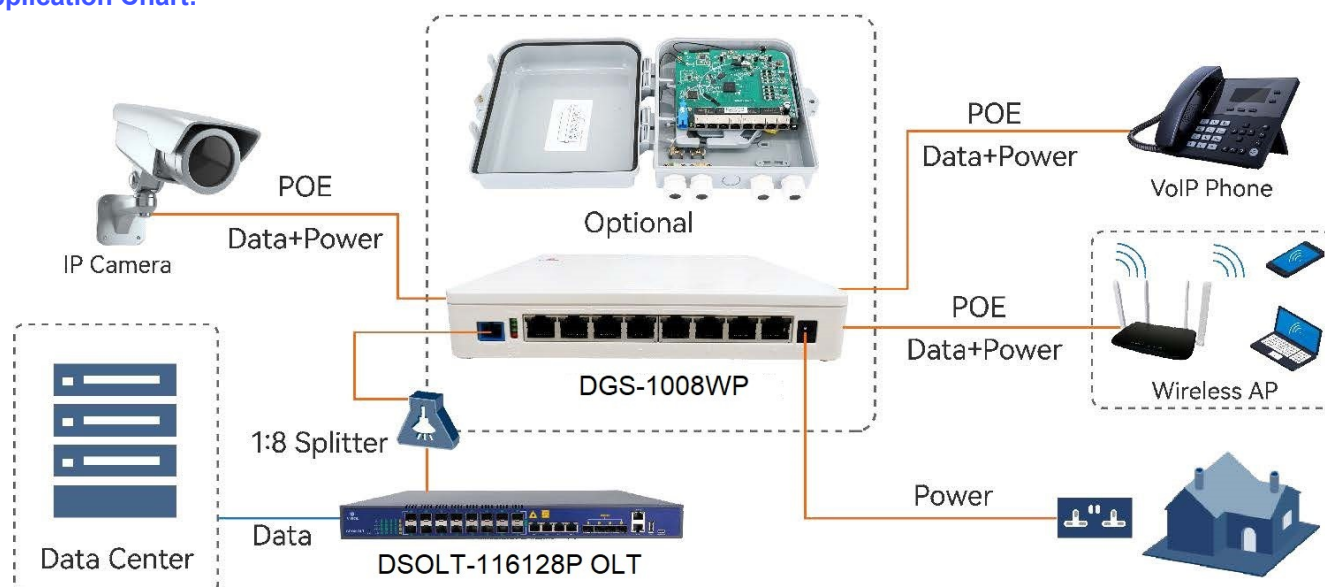
#### Introduction:

**DGS-1008WP** is a broadband access device designed to meet the needs of users for multi-service integration.

Based on high-performance chip solutions, The ONT supports IEEE802.11b/g/n/ac WIFI technology and other Layer 2/Layer 3 functions, providing data services for carrier-grade FTTH applications. The eight network ports of The ONT all support the POE function, which can supply power to IP cameras, wireless APs and other devices through the network cable, and it can be equipped with a waterproof casing for outdoor use.

The ONT is highly reliable and easy to manage and maintain. It can provide QoS guarantee for different services. It conforms to international technical standards such as IEEE802.3ah and ITU-T G.984.

#### Application Chart:



## ○ Hardware Parameter

Dimension	196×160×32mm(L×W×H)
Net weight	0.39Kg
Working condition	Working Temp: -10~+55C Working Humidity:5~95% (non-condensing)
Storing condition	Storing temp: -40~+70C Storing humidity:5~ 95% (non-condensing)
Power adapter	DC 48V, 2.5A
Power supply	≤130W
Interface	1*XPON+8*GE+WiFi5+POE(optional)
Indicators	POWER / WiFi / PON /LOS

## ○ Interface Parameter

PON Interface	<ul style="list-style-type: none"> <li>• 1XPON port(EPON PX20+ &amp; GPON Class B+)</li> <li>• SC single mode, SC/UPC connector</li> <li>• TX optical power: 0 ~ +4dBm</li> <li>• RX sensitivity: -27dBm</li> <li>• Overload optical power: -3dBm(EPON) or -8dBm(GPON)</li> <li>• Transmission distance: 20KM</li> <li>• Wavelength: TX 1310nm, RX1490nm</li> </ul>
User Interface	<ul style="list-style-type: none"> <li>• 8*GE, Auto-negotiation RJ45 connectors</li> <li>• Support IEEE802.3at standards (POE+ PSE)</li> </ul>
WLAN Interface	<ul style="list-style-type: none"> <li>• Compliant with IEEE802.11b/g/n/ac,2T2R</li> <li>• 2.4GHz Operating frequency: 2.400-2.483GHz</li> <li>• 5.0GHz Operating frequency: 5.150-5.825GHz</li> </ul>

## ○ Function Data

Management	<ul style="list-style-type: none"> <li>• Support OMCI(ITU-T G.984.x)</li> <li>• Support CTC OAM 2.0 and 2.1</li> <li>• Support TR069/Web/Telnet/CLI</li> </ul>
Application	<ul style="list-style-type: none"> <li>•Support L2TP &amp; IPsec VPN</li> <li>•Support EoIP</li> <li>•Support VxLan</li> <li>•Support Web Push</li> </ul>

## ○ Function Data

LAN	Support Port rate limiting
WAN	Support config first LAN interface as WAN port
VLAN	<ul style="list-style-type: none"> <li>• Support VLAN tag/VLAN transparent/VLAN trunk/VLAN translation</li> <li>• Support VLAN based WAN and VLAN based LAN</li> </ul>
Multicast	<ul style="list-style-type: none"> <li>• Support IGMPv1/v2/v3</li> <li>• Support IGMP Proxy and MLD Proxy</li> <li>• Support IGMP Snooping and MLD Snooping</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Support 4 queues</li> <li>• Support SP and WRR</li> <li>• Support 802.1P</li> <li>• Support DSCP</li> </ul>
Wireless	<ul style="list-style-type: none"> <li>• Support Wireless AP mode</li> <li>• Support 802.11 b/g/n/ac</li> <li>• Support Multiple SSID</li> <li>• Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)</li> <li>• Modulation type: DSSS, CCK and OFDM</li> <li>• Encoding scheme: BPSK, QPSK, 16QAM and 64QAM</li> <li>• Support EasyMesh</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• Support 4 queues</li> <li>• Support SP and WRR</li> <li>• Support 802.1P and DSCP</li> </ul>
L3	<ul style="list-style-type: none"> <li>• Support IPv4、IPv6 and IPv4/IPv6 dual stack</li> <li>• Support DHCP/PPPOE/Statics</li> <li>• Support Static route,NAT</li> <li>• Support Bridge, Route ,Route and Bridge mixed mode</li> <li>• Support DMZ, DNS, ALG,UPnP</li> <li>• Support Virtual Server</li> </ul>
DHCP	Support DHCP Server & DHCP Relay
Security	Support Filter based on MAC/ACL/URL