

Família SON8668 GEPON ONU

Optical Network Unit (assinante) - ONU

veja a tabela com todas as configurações na última página



802.11n Wi-Fi
4 FE
1GE+3FE
2GE+2FE
4 GE



4 FE
1GE+3FE
2GE+2FE
4 GE

A SON8368 é uma série de ONU GEPON baseada em IEEE802.3ah projetada para usuários domésticos e de escritório. Ela oferece 4 portas LAN que suportam portas GE e FE misturadas. Sua interface de uplink é uma porta GEPON SC, suporta 1.25G para downstream e 1.25G para upstream. A série SON8668MVW também oferece 2 portas FXS e um roteador WiFi 300Mbps para aplicações de rede VoIP e Home wifi.

Todos os modelos suportam o modo Roteador ou Bridge, ou modo Roteador / Bridge híbrido

Construída para implementações FTTx, ela suporta recursos de gateway / CPE de grande porte, como WAN múltiplo, QOS, VLAN, Firewall, ACL, etc. É uma CPE GEPON all-in-one Internet Data, Voice e WiFi para ISPs que implanta o Triple Play redes sobre fibra única.

Família SON8668 GEPON ONU:

Tabela de Especificações

Normas	IEEE 802.3, IEEE 802.3u, IEEE802.3ab, IEEE802.3ah, IEEE 802.3x, IEEE802.1Q, IEEE802.1P, IEEE802.1D, IEEE802.11b/g/n, RFC2543, RFC3261, RFC3262, RFC3264, RFC3265		
Portas WAN	1*GEPON WAN Port, Class B+, Conectores SC/APC		
Portas LAN	Portas 4 FE or 2GE+2FE or 1GE+3FE		
Portas VoIP	2* Portas FXS		
WiFi	IEEE802.11b/g/n 300Mbps WiFi 10Base-Tx: UTP categoria 3, 4,5, até 100m		
Cabo Ethernet	100Base-Tx: UTP categoria 5, até 100m 1000Base-Tx: UTP categoria 5, 5E, 6, até 100m		
Cabo Ótico	8.3µm, 8.7µm, 9µm and 10µm single mode fiber cable		
Alimentação	AC110-240V Input, DC 12V, 1-1.5A output		
	Temperatura	Humidade	
Temperatura & Humidade	Em uso	0 a 50°C	10% - 90%
	Em repouso	(-20° a 70°C)	5% - 90% RH

Características Principais:

IEEE802.3ah standard, compatível com Huawei, ZTE, Fiberhome, CHIMA GEPON OLTs.

Oferece 1* Porta GPON WAN, suporta 1.25G de downstream and 1.25G de upstream

Oferece 4* Portas LAN, suporta portas GE e FE misturadas

Oferece 2 * portas FXS para implantações de voz sobre IP de alta qualidade.

Oferece Roteador WiFi de 300Mbps para aplicações Home WiFi

Mudança de camada Layer 2, suporte a VLAN 802.1Q, 802.1P QOS, Controle de Largura de Banda, Spanning Tree, etc.

Layer 3 Home Gateway / CPE recursos com hardware NAT, suporte múltiplo WAN, Route / Bridge modo, etc

Encadernação de portas (Encadernação de portas), diferentes portas LAN podem ser atribuídas com diferentes serviços WAN, diferentes portas LAN

Max 1:64 Taxa Divisão de Fibra, distância de transmissão máxima pode atingir 20 km

Suporte a transmissão de dados criptografados AES, aumentando a segurança da transmissão

Suporta FEC (Forward Error Correction), assegura alta transmissão de dados confiável e precisa

Apoio Alocação de largura de banda dinâmica -Dynamic Bandwidth Allocation (DBA), atribuição de banda mais inteligente e uso.

Gerenciamento local e remoto, suporte WEB, FTP / TFTP / HTTP Auto Provisioning, TR069, gerenciamento de NMS.

Suporta IPv4 e IPv6, altamente aplicável em ambas as redes baseadas em IP.

Parametros Técnicos

(editado em inglês para exercitar compreensão e fidelidade aos termos técnicos)

GEPON Parameters

IEEE802.3ah Gepon standard, support standard OAM
CTC 2.1, 3.0 China Telecom Gepon standard
Built-in with a 2*10 SFF packaged GEPON transceiver, SC/PC connector
1310nm wavelength at upstream & 1490nm wavelength at downstream
GEPON transceiver sending power: 0.5-5dbm, receiving sensitivity: -27dbm
1:64 Fiber Optic Ratio at 20km transmission distance.
Fiber Transmission cable: G.652 Single mode optical fiber cable
Support 1 LLID (Logical Link Identifier)
Support 1 LOID (Logical ONU Identifier)
Support Triple Churning Encryption algorithm
Support NSR/SR Dynamic Bandwidth Allocation (DBA)
Support Forward Error Correction (FEC)
4 QOS queues & SP Dispatching Algorithm over PON
Maximum 1.244Gbps Downlink / 1.244Gbps Uplink
Support Dying Gasp

Home Gateway/CPE Features

Multi-WAN, support up to 8 WAN connections
Support Route and/or Bridged WAN
Port Binding, Data/VoIP/IPTV services can be bound to different LAN ports
Configurable VLAN ID for each WAN
Configurable QOS queues for each WAN
Multi-services bound to the same WAN

Networking Features

MAC Learning, 4K MAC address table
Bridged or Route network mode
Support RIP v1, v2 for routing
Static Route, Dynamic Rout, DNS Proxy,
IPv4 & IPv6 TCP, UDP, RTP, SNTP, NAT, DHCP, DNS
IEEE802.1Q VLAN, Port VLAN
IEEE802.1x, MAC, IP, or TCP/UDP based ACLs
Port Bandwidth Control, IEEE802.3x flow control
Storm Control: Broadcast/Multicast/unknown unicast,
ARP Port Isolation, Port Mirror, Auto MDI/MDIX
IEEE802.1d STP, Port Loop detection
IGMP v2, v3 & IGMP Snooping for IPv4
MLD v2, v3 & MLD Snooping for IPv6

VoIP Parameters

Offers 2 FXS ports for Phone connections 2 Calls can be made/received simult
G.711, G.723.1, G.729A-8kbps, G.726, G.722, ILBC voice codecs
DTMF Tone Detection, DTMF Tone Relay, Multiple Calling Tone, FSK Caller ID
Calling line Identification Presentation Calling line Identification Restriction
Call forwarding, call transfer, call hold, three-way conference, etc
QOS and TOS to ensure voice packets pass through in priority
Support RFC62 Echo protocol, Support T.38 Fax Machine
Support Digital Map configuration

300Mbps WiFi Router Features

Offers an IEEE802.11n WiFi Router, 2.4GHz frequency 4 LAN Ports,
support mixed GE and FE ports
MIMO, support 2-IN-2-OUT, Max 300Mbps WiFi throughput WiFi
Transmission Distance: 150m for indoors, 300m for outdoors
WPS one-key protection over your wifi network Support DHCP,
Static IP and PPPOE
DHCP Server, DHCP Relay, DHCP Client, Static IP assignation
Static Routing from source IP to destination IP
Firewall, NAT, NAT, UPnP
DDNS, DMZ Host, Port Forwarding
64/128 bit WEP, IEEE802.1x, WPA and WPA2 authentications
Max 4 SSID broadcasting, Hidden SSID
Automatically choose the best signal channel
STA mutual isolation and ACL table based on MAC Accesses
Wifi Multimedia (WMM), enhanced QOS for multimedia packets

QOS

IEEE802.1P QOS, DSCP, TOS:
SP, WRR, SP+WRR dispatching Algorithm
Source & DST-MAC based QOS
VLAN ID, Vlan Priority based QOS Source
DST-IP based QOS

Interoperable Gepon OLT Models

CHIMA SNA8800, SNA9000T series
Huawei MA5680T, MA5683T OLTs
ZTE C200, C220, C300 series OLTs
Fiberhome AN5516 OLT

Management Features

Serial interface maintenance using UART
Web UI Management OAM & NMS Manage
CLI command line management FTP/TFTP/HTTP
Auto Provision Management TR069
ACS management

Model NO.**Description**

Todos os modelos suportam o modo Roteador ou Bridge,
ou modo Roteador / Bridge híbrido

4 FE Models	SGN8668M	4FE GPON ONT
	SGN8668MV	4FE+2FXS GPON ONT
	SGN8668MW	4FE+300M WiFi Router GPON ONT, 5dB antennas
	SGN8668MW-7dB	4FE+300M WiFi Router GPON ONT, 7dB antennas
	SGN8668MVW	4FE+2FXS+300M WiFi Router GPON ONT, 5dB antennas
	SGN8668MVW-7dB	4FE+2FXS +300M WiFi Router GPON ONT, 7dB antennas
1GE+3FE Models	SON8368MG	1GE+3FE GEPON ONU
	SON8368MVG	1GE+3FE+2FXS GEPON ONU
	SON8368MWG	1GE+3FE+300M WiFi Router GEPON ONU, 5dB antennas
	SON8368MVWG	1GE+3FE+2FXS+300M WiFi Router GEPON ONU, 5dB antennas
	SON8368MWG-7dB	1GE+3FE+300M WiFi Router GEPON ONU, 7dB antennas
	SON8368MVWG-7dB	1GE+3FE+2FXS +300M WiFi Router GEPON ONU, 7dB antennas
2GE+2FE Models	SGN8668MG2	2GE+2FE GPON ONT
	SGN8668MVG2	2GE+2FE+2FXS GPON ONT
	SGN8668MWG2	2GE+2FE+300M WiFi Router GPON ONT, 5dB antennas
	SGN8668MWG2-7dB	2GE+2FE+300M WiFi Router GPON ONT, 7dB antennas
	SGN8668MVWG2	2GE+2FE+2FXS +300M WiFi Router GPON ONT, 5dB antennas
	SGN8668MVWG2-7dB	2GE+2FE+2FXS +300M WiFi Router GPON ONT, 7dB antennas
4 GE Models	SGN8668MG4	4GE GPON ONT
	SGN8668MVG4	4GE+2FXS GPON ONT
	SGN8668MWG4	4GE+300M WiFi Router GPON ONT, 5dB antennas
	SGN8668MWG4-7dB	4GE+300M WiFi Router GPON ONT, 7dB antennas
	SGN8668MVWG4	4GE+2FXS +300M WiFi Router GPON ONT, 5dB antennas
	SGN8668MVWG4-7dB	4GE+2FXS +300M WiFi Router GPON ONT, 7dB antennas