Datasheet

DRC 1GE+1FE+1POTS+WiFi
DR-323RGW

Dual Mode

HGU Management

Product Overview

2GE+1POTS+WiFimeets telecom operators FTTO/FTTB/FTTH broadband speed, SOHO broadband access, video surveillance and other requirements to design an EPON/GPON Gigabit Ethernet products. It is based on mature and stable, cost-effective EPON/GPON technology, high reliability, easy management, configuration flexibility and good quality of service (QoS) guarantees to meet the technical performance of IEEE802.3ah and ITU-TG.984.x , EPON/GPON equipment technical requirements and other specifications.

Product Appearance Features

Figure 1 DR-323RGW

Application Chart

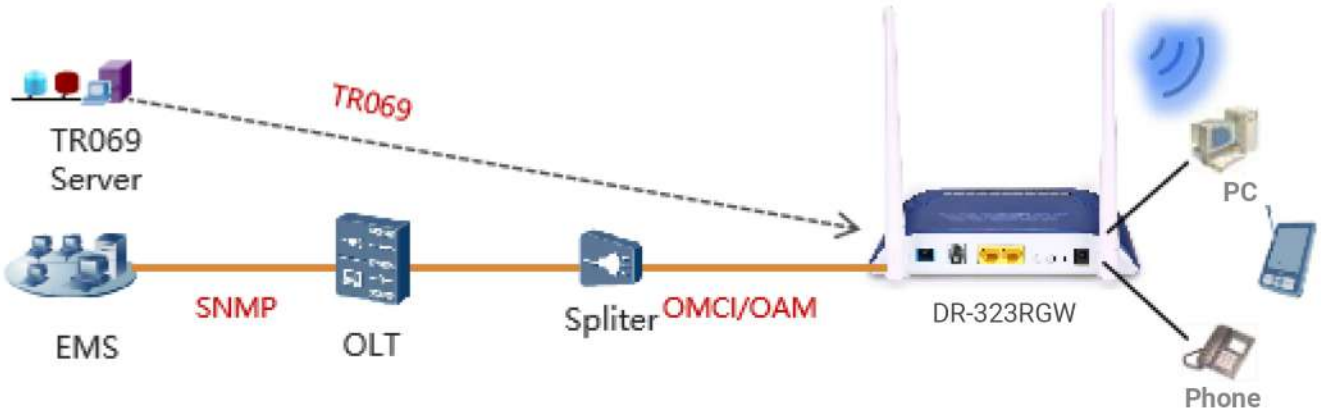

Figure 2 Application Chart

Technical Parameters

Technical item	DR-323RGW
PON Interface	1 G/EPON port(EPON PX20+ and GPON Class B+) Receiving sensitivity: ≤-28dBm Transmitting optical power: 0～+4dBm Transmission distance: 20KM
Wavelength	Tx1310nm,Rx 1490nm
Optical interface	SC/UPC connector
LAN interface	1*10/100/1000Mbps+1*10/100Mbps auto adaptive Ethernet interfaces, Full/Half, RJ45 connector
POTS interface	1 x RJ11 connectors G.711A/G.711U/G.723/G.729Codec,T.30/T.38/G.711Faxmode,DTMFRelay
WiFi interface	Compliant with IEEE802.11b/g/n, Operating frequency: 2.400-2.4835GHz support MIMO, rate up to 300Mbps,2T2R,2 external antenna 5dBi, Support: multiple SSID,Channel:13 Modulation type: DSSS,CCK and OFDM Encoding scheme: BPSK,QPSK,16QAM and 64QAM
LED	5, For Status of PON/LOS, WiFi,TEL,LAN1,LAN2
Operating Environment	Temperature: 0℃～+50℃ Humidity: 10%～90% (non-condensing)
Storing Enviroment	Temperature: 0℃～+60℃ Humidity: 10%～90% (non-condensing)
Power Supply	DC 12V/1A,12W
Dimension	185mm×120mm×34mm (L×W×H)
Net weight	0.24Kg

Table 2 Technical Parameters

• Panel Lights

LED	Mark	Status	Description
Power	PWR	On	Device is powered up
		Off	Device is powered down
Optical signal loss	LOS	Blink	Device does not receive optical signals
		Off	Device has received optical signal
Registration	REG/PON	On	Device is registered to the PON system
		Off	Device is not registered to the PON system
		Blink	Device is registering
Interface	GE、FE/ LAN1~2	On	Port is connected properly
		Off	Port connection exception or not connected
		Blink	Port is sending or/and receiving data
PORTS	FXS	On	Device has registered to the soft-switch, but without ongoing data transmission.
		Off	Device is power off or not registered to the soft-switch
		Blink	The port is with ongoing data transmission
Wireless (for DR-323RGW/R WT)	WiFi	On	WiFi turned on
		Off	Device is power off or WiFi turned off
		Blink	WiFi data transmission
CATV (for DR-323RGWRWT)	CATV	On	1550nm wavelength power of input is in
		Off	1550nm wavelength power of input is too low or no input
		Blink	1550nm wavelength power of input is too
Pair (for DR-323RGW)	Pair	On	WPS client is connected. (LED turn off after 5 minutes of successful connection)
		Off	Does not use WPS or WPS client is connected.(LED turn off after 5 minutes of
		Blink	WPS client is connecting

Table 3 Panel lights on

• Interface Description

Port Type	Function
PON	Connect PON port with internet by SC/UPC type, single mode optical fiber cable.
LAN 1/2	Connect device with ethernet port by RJ-45 cat5 cable
FXS	Connect the telephone with FXS port by telephone wire
RST	Press down reset button and keep about 5s to make the device restart and recover from the factory default settings
DC12V	Connect with power adapter
Pair*	Press down WiFi pair button to begin pairing
WiFi*	WiFi on/off
Power On/OFF*	Power turn on/off

Table 4 Interface description

Software Function

Function	Description
PON	Dual Mode , Can access EPON/GPON OLTs
Software mode	Bridging and Routing Mode
Layer 2	802.1D&802.1ad bridge,802.1p Cos,802.1Q VLAN
Layer 3	IPv4/IPv6 , DHCP Client/Server , PPPoE ,NAT , DMZ ,DDNS
Multicast	IGMPv1/v2/v3 , IGMP snooping
Security	Flow & Storm control, Loop Detection
WiFi	IEEE802.11b/g/n (TX power:17dBm/16dBm/15dBm),Up to 300Mbps Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)
POTS	VoIP protocol: SIP、IMS-SIP Voice enhancement: Local exchange Dynamic voice jitter buffering Silence detection Echo offset Loss compensation
Firewall	Filtering Based on ACL/MAC/URL
O&M	WEB/TELNET/OAM/OMCI/TR069, Support private OAM/OMCI protocol and Unified network management of DRC OLT

Table 5 Software Key Feature

Corporate & Head Office:

Prime Plaza, Behind Kalki Fashion Store, SV Rd, Santacruz West, Mumbai, Maharashtra 400054

Follow us on: **@drcomindia**

info@dr-com.in **Toll Free:** 1800-267-3866 **www.dr-com.in**