



## Genexis DG200

### DG200-Series

DSL and Ethernet multi-WAN residential gateway



The Genexis DG200 is a powerful residential gateway with multi WAN with dual concurrent WiFi. DG200 has iopsys inside. iopsys is a modular operating system that supports all features required by high-end business critical Gateway software. iopsysWrt provides a full enterprise solution with security enhancements

and feature rich services such as local and remote management, enhanced WiFi experience, VoIP and QoS.

With iopsysWRT, the service provider benefits from a proven software platform and is able to add modules based on openWRT standards independently at the same time.

#### Key features

- Excellent WiFi performance with 802.11ac;
- WPS (Wi-Fi Protected Setup) for Easy Setup
- ADSL, VDSL support
- Broadcom MIPS
- Touch panel with proximity function
- 2x2 and 4x4 WiFi technology
- 4x Gigabit Ethernet LAN
- USB 2.0
- FXS voice port

#### Multi WAN support

The DG200 residential gateway provides multi WAN support for a flexible failover or load balancing by connecting multiple ISPs. The gateway can be connected to an ADSL/VDSL2 network (Annex A and B supported) or to an Ethernet based broadband network.

#### VoIP and USB

The DG200 supports POTS telephony with a built-in SIP Voice-over-IP client. Two USB 2.0 ports enable the user to connect other devices (eg. printer, storage device) to the gateway.

#### WLAN

The WLAN access point supports up to 750Mbit/s TCP throughput wireless communication, which gives customers access to the network anywhere in the home without having to build a wired network. Simply connect your wireless devices via WPS to the DG200 and you are ready to surf the Internet.



# Product features and specifications

## Genesis DG200 Series

### General specifications

Dimensions (HxWxD)	35x165x209mm
Power supply	12 VDC, 2A
Power consumption	EU CoC
Operating temperature	0 - 45 °C
Storage temperature	-20 - +85 °C
Operating humidity (non-condensing)	5% ~ 95%
Storage humidity (non-condensing)	5% ~ 95%

### WAN interface

Gigabit Ethernet WAN  
100/1000 Base-T Ethernet  
ADSL2+/VDSL2 WAN

### Protocols

Supports Point-to-Point Protocol (PPPoE)  
User authentication via PAP, CHAP or MS-CHAP  
DHCP client, server and relay agent  
NAT / PAT – RFC1631 with support for:

- ALGs
- DNS relay
- IPv4 and IPv6

### Interfaces

4x 10/100/1000 Base-T Ethernet port  
2x FXS ports (voice)  
802.11n 2,4GHz WiFi with 2x2 antennas  
802.11ac 5GHz WiFi, with 3x3 antennas

### Button and USB

1x On/Off switch  
1x Reset button (recessed)  
1x WPS/Pair button  
2x USB 2.0

### Firewall

NAT, DMZ and ALGs  
Stateful Packet Inspection (SPI) with DOS protection - Ping of Death, SYN Flood LAND  
Protection against IP and MAC address spoofing  
UPnP NAT traversal and VPN / IPSec passthrough

### QoS

L2/L3 QoS, 802.1Q, ToS/Diffserv

### Wireless WMM

IPTV  
IGMP snooping/Proxy V1-3  
DHCP Option 43 APAS  
RTSP

### Wireless

802.1x, WEP, WPA, WPA2, TKIP, AES, 802.11i  
Hidden SSID  
Multiple SSID  
WMM for advanced Quality of Service

### USB services

Printer server  
Storage  
3G/4G WAN support  
Most USB-dongles from Huawei, ZTE, Qualcomm, Sierra Wireless supported

### ICE-Client

XMPP communication engine with application modules  
Enabling services like WiFi Joe, File Me, Home Watch & Home Control  
Pairing function to iopsys portal  
Linux, Android, iOS support  
HTTPS encrypted  
Data streaming using stream initiation profile  
NAT traversal

### Management

IUP (Inteno Universal Provisioning) DHCP option 43/66/67/121/128  
SNMP v2c/3 MIB-II  
Embedded syslog; SNTP with DHCP options  
UPnP Internet Gateway Device (IGD)  
Management and configuration via HTTP  
Firmware upgrade using IUP/HTTP/TFTP/TR-069  
Supports TR-069, TR-098/104 management and provisioning  
Hidden port (RS-232) for maintenance

### Status LEDs

Status  
WAN  
Internet  
WiFi status  
Ethernet  
WPS  
Telephone status  
External

\* Optional

## Genesis DG200 product models

Model	LAN		Voice	WLAN 2x2	WLAN 3x3	USB 2.0
	Ports	Speed (Mbps)	FXS ports	2.4 GHz	5.0 GHz	
DG200A-AC	4x	1000/100/10	2x	11n	11ac	2x
DG200AL AC	4x	1000/100/10	-	11n	11ac	1x
DG200B AC	4x	1000/100/10	2x	11n Annex B	11ac	1x
EG400 Fibertray	Fiber tray and wallmount from EG400, compatible with DG200. No CATV option!					

Note: Not every listed feature will be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.