



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 3x3 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	FiberTray 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.