



Genexis EG200

EG200-Series

Powerful Ethernet WAN residential gateway



EG200 is a powerful residential gateway with Ethernet WAN with dual concurrent WiFi. EG200 has iopsysWRT inside. iopsys is a modern modular operating system that supports all features required by high-end business critical

gateway software. iopsys is built on OpenWRT and combines the best from the open source community with Genexis's 17 year experience of operator business.

Key features

- Excellent WiFi performance with 802.11ac, 3x3, 802.11n, 2x2
- WPS (Wi-Fi Protected Setup) for Easy Setup
- Based on a dual core MIPS processor
- 256MB DDR3 RAM and 128 NAND Flash
- Touch panel with proximity function
- 2x2 and 3x3 WiFi technology
- 4x Gigabit Ethernet LAN
- 2x USB 2.0
- FXS voice port
- CloudSight compatible

VoIP and USB

The EG200 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. storage device) to the gateway.

WLAN

The WLAN access point supports high-speed 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 EG200 and you are ready to surf the Internet.



Product features and specifications

Genexis EG200 Series

Based on a dual core MIPS processor
256MB DDR3 RAM and 128 NAND Flash

LAN Interfaces

Four 10/100/1000 Base-T Ethernet port
One FXS Port (voice)
Integrated 802.11n 2,4GHz WiFi Access with internal 2x2 antennas
Integrated 802.11ac 5GHz WiFi, Access with internal 3x3 antennas (optional)

WAN Interface

Gigabit Ethernet WAN
100/1000 Base-T Ethernet

USB Interface

2x USB 2.0

Power supply

12V DC 2A
Operation
Operation Temperature: 0°C ~ 45°C
Operation Humidity: 5% ~ 95%
(non-condensing)
Storage Temperature: -20°C ~ +85°C
Storage Humidity: 5% ~ 95%
(non-condensing) Power
Power consumption: compliant to EU CoC
Physical Dimensions
(Preliminary) 209 × 165 × 35 (W × D × H)

Network services

Supports Point-to-Point Protocol (PPPoE) and user authentication via PAP, CHAP or MS-CHAP
DHCP client, server and relay agent
NAT / PAT – RFC1631 with support for extensive ALGs
DNS relay
IPv4 and IPv6

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, (Any Port Any Service)
RTSP

Wireless

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

USB services

Storage
Serial services (Z-Wave/Zigbee)
3G/4G WAN support
Most USB-dongles from Huawei, ZTE, Qualcomm, Sierra Wireless supported

ICE-Client

XMPP communication engine with application modules
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) compliance
Management and configuration via Web / HTTP
Firmware upgrade using IUP/ HTTP / TFTP / TR069 & iopsys portal
Supports TR-069, TR-098/104 management and provisioning
One hidden console port (RS-232) for maintenance

Status LEDs

Status
WAN
Internet
WiFi status
Ethernet
WPS
Telephone status
External

Genexis EG200 product models

Model	LAN		Voice	WLAN 2x2	WLAN 3x3	USB 2.0
EG200-AC	4x	1000/100/10	2x	11n	11ac	2x
EG200AL AC	4x	1000/100/10	-	11n	11ac	1x

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.