



Genexis EG400

EG400-Series

ARM based, high-end FTTH gateway



EG400 is a high-end ARM based residential gateway delivering true 4x4 ac WiFi performance. The EG400 has GenXOS inside. GenXOS is a modern modular operating system that supports all features required by high-end business critical gateway software.

With GenXOS, 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

- Broadcom ARM, 256MB Flash, 512MB RAM
- ETH and SFP
- High sensitivity 802.11ac 4x4 or 802.11n 2x2
- 4x Gigabit Ethernet
- 1x USB 3.0 and 1x USB 2.0 port
- 2x FXS
- Wireless controller with band- and AP-steering
- IUP, TR-069, GUI, HTTP, TFTP management
- CloudSight services
 - Helpdesk
 - Device management
 - Application management

VoIP

The EG400 supports POTS telephony with a built-in SIP Voice-over-IP client.

CATV Support

The EG400 offers external fibertray with a CATV option.

High-speed USB

The USB 3.0 and the USB 2.0 ports enable the user to connect other devices (eg. printer, storage device) to the gateway.

WLAN

The WLAN access point 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 EG400 and everything is completely set.



Product features and specifications

Genesis EG400 Series

General specifications

Dimensions (HxWxD)	34x200x183mm
Power supply	12 VDC, 2.5A
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

ETH and SFTP
Gigabit Ethernet WAN
100/1000 Base-T Ethernet and
100/1000 Base-X SFP slot

Protocols

Supports Point-to-Point Protocol (PPPoE)
User authentication PAP, CHAP, 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)
1x WAN port
802.11n 2,4GHz WiFi with 2x2 antennas
802.11ac 5GHz WiFi, with 4x4 antennas

Button and USB

1x On/Off switch
1x Reset button (recessed)
1x WPS/Pair button
1x USB 2.0, 1x USB 3.0

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
Pairing function to GenXOS
Linux, Android, iOS support
HTTPS encrypted
Data streaming using stream initiation
profile
NAT traversal

Management

IUP (Inteno Universal Provisioning) DHCP
option 43/66/67/121/128/224/225
SNMP v2c MIB-II
Embedded syslog; SNTP with DHCP options
UPnP Internet Gateway Device (IGD)
Management and configuration via HTTP
Firmware upgrade using IUP/HTTP/TR-069
Supports TR-069, TR-098/104 management
and provisioning
Hidden console port (RS-232) for
maintenance

Status LEDs

Status
Broadband
Internet
Telephone status
External
Wifi status
WPS

* Optional

Genesis EG400 product models

Model	LAN		FXS ports	WLAN 2x2	WLAN 4x4	USB
	Ports	Speed (Mbps)		2.4 GHz	5.0 GHz	
EG400-R1	4x	1000/100/10	2x	11n	11ac	1x 2.0 1x 3.0
EG400 Fibertray	Fiber tray and wallmount with CATV option.					