Genexis DG400 Prime

DG400-Series

ARM based, high-end residential gateway

Superior WiFi performance and coverage! Enjoy a PRIME experience powered by iopsys!
DG400 PRIME is a high-end ARM based residential gateway delivering true 4x4 ac WiFi performance. As all Inteno gateways DG400 PRIME has iopsys inside. iopsys is a modern modular operating system that supports all features required by high-end business critical gateway software.
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

· Broadcom ARM, 256MB Flash, 512MB RAM

· ADSL2+7VDSL2/V35b, optional SFP

· 802.11ac 4x4 or 802.11n 3x3

· 4x Gigabit Ethernet

· 1x USB 3.0 and 1 x USB 2.0 port

· DECT telephony

· 2x FXS

· Wireless controller with band- and AP-steering

· IUP, TR-069, GUI, HTTP, TFTP management

· iopsys Cloud services

  · Helpdesk

  · Device management

  · Application management

VoIP and DECT support

The DG400 supports POTS telephony with a built-in SIP Voice-over-IP client. Next to the VoIP capabilities, DG400 supports up to 64 ULE nodes and 6 DECT handsets.

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 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 DG400 and you are ready to surf the Internet.

Product features and specifications

Genexis DG400 Series

General specifications

Dimensions (HxWxD)	176x267x62mm
Power supply	12 VDC, 2.5A
Power consumption	EU CoC
Operating temperature	0 - 45 °C
Storage temperature	-20 - +85 °C
Operating humidity	5% ~ 95%
(non-condensing)	
Storage humidity	5% ~ 95%
(non-condensing)	

WAN interface

ADSL2+7VDSL2/V35b

Gigabit Ethernet WAN

100/1000 Base-T Ethernet and

100/1000 Base-X SFP slot (optional)

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 DSL port

802.11n 2,4GHz WiFi with 3x3 antennas

802.11ac 5GHz WiFi, with 4x4 antennas

Button and USB

1x On/Off switch

1x Reset button (recessed)

1x WPS/Pair button

1x DECT Pair button

1x USB 2.0, 1x USB 3.0

DECT support

Support for 8 handsets

Support for 64 ULE nodes

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

Broadband

Internet

Telephone status

External

Wifi status

WPS

DECT

Genexis DG400 product models

Model	LAN		Voice		WLAN 3x3	WLAN 4x4	USB
	Ports	Speed (Mbps)	DECT	FXS ports	2.4 GHz	5.0 GHz	
DG400A-PRIME	4x	1000/100/10	8 handsets 64 ULE nodes	2x	11n	11ac	1x 2.0 1x 3.0

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.