

Multi-WAN RGW with DECT and the true power from iopsys

DG301 is powered by iopsys. iopsys is an open source based software platform for embedded devices developed by Inteno. iopsys key components include CPE software, packet engine, SDK and a cloud based application portal.

DG301 is a high-end Multi-WAN residential gateway with advanced router and bridge functions. DG301 is equipped with one ADSL/2/2+/VDSL2 WAN, one 10/100/1000 WAN, four 10/100/1000 LAN, one wireless 802.11n 2,4 (AP) and integrated DECT base station. DG301 supports 801.11ac 3x3 (option).



Features

Service Delivery enabler for home automation applications

Excellent WiFi performance with 802.11ac; better throughput and coverage

WPS (Wi-Fi Protected Setup) for Easy Setup

Supports most modern home automation standards such as Zigbee and Z-Wave via USB

Possibility to add Giga bytes of storage using USB

Included



ADSL



VDSL



Ethernet



WiFi
802.11.n
2.4GHz



DECT
/ULE

Optional



WiFi
802.11.ac
5GHz

Specifications

Hardware

DG301ALE features a GbE WAN (100/1000 Base-T Ethernet), four Gigabit Ethernet LAN ports, two USB host 2.0 and dual concurrent WiFi.

General

Based on a dual core MIPS processor
256MB DDR3 RAM and 128 NAND Flash
Gigabit Ethernet WAN
4x Gigabit Ethernet LAN
USB host 2.0
Integrated 802.11n 2,4GHz
Integrated 802.11ac 5GHz (option)

LAN Interfaces

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

WAN Interface

Gigabit Ethernet WAN
100/1000 Base-T Ethernet and

USB Interface

2x USB 2.0

DECT

Support for 6 handsets
Support for 64 ULE nodes

Power supply

12V DC 2,5A

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) 238 × 173 × 46 (W × D × H)

Software

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 pass-through

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

Printer server
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
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; SNMP with DHCP options
UPnP Internet Gateway Device (IGD) compliance
Management and configuration via Web / HTTP
Firmware upgrade using IUP/ HTTP / TFTP / TR-069
Supports TR-069, TR-098/104 management and provisioning
One hidden console port (RS-232) for maintenance

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.

Inteno

Sweden: Inteno Broadband Technology AB Stensättravägen 13, 127 39 Skärholmen, Stockholm | Phone: +46 8 579 190 00

Norway: Inteno Broadband Technology AS Solheimveien 36, 1473 Lorenskog | Phone: +47 67 91 19 30

Finland: Inteno Netmedia Oy Ab (Vaasa) Vaasanpuistikkko 18, 65101 Vaasa **and (Helsinki)** Rällsintie 10, 00720 Helsinki | Phone: +358 6 3181 300

Denmark: Inteno Denmark A/S Højbyvej 19, 4320 Lejre | Phone: +45 4440 2500

Belgium: Inteno BVBA Heidestraat 257, 2070 Zwijndrecht | Phone: +32 499 56 55 48

info@intenogroup.com

www.intenogroup.com | www.iopsys.eu