Multi-WAN ARM based Gateway with true AC support powered by iopsys

DG400 is a high-end ARM based residential gateway delivering true ac WiFi performance. As all Inteno gateways DG400 has iopsys inside. iopsys is a modern modular operating system that supports all features required by high-end business critical gateway software.

DG400 is equipped with one ADSL/2+/VDSL2 WAN, one 10/100/1000 WAN, four 10/100/1000 LAN, 802.11n 2x2 2.4GHz, 802.11ac 3x3, USB 3.0 and DECT.

**Features**

*Based on Broadcom BCM 63138 family*

*Support for VDSL2 G.993.2 8a, 8b, 8c, 8d, 12a, 17a, (30a optional) ADSL/ADSL2+/ADSL2+ fallback.*

*Optional support for DSL Bonding*

*Integrated four-port Gigabit Ethernet switch* with automatic speed-sensing and crossover correction

*Gigabit Ethernet WAN port*

*One USB 3.0 port*

*Integrated 802.11n 2,4GHz WiFi, 2x2*

*Integrated 802.11ac 5GHz WiFi, 3x3*

*Integrated DECT base station* supporting up to six handsets.

*Remote management* via IUP/HTTP / TFTP / SNMP/TR-069

*Optional adapter board* for Zigbee, Z-Wave or Bluetooth

*Touch panel* with proximity function

**Included:**

- ADSL
- VDSL
- Ethernet
- USB
- Fiber
- DECT / ULE
- WiFi 802.11.ac 5GHz
- WiFi 802.11.n 2.4GHz

**Optional:**

- Bluetooth
- Z-Wave
- Zigbee
Specifications

Hardware

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

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

WAN Interface
Gigabit Ethernet WAN
100/1000 Base-T Ethernet
ADSL2+/VDSL2 WAN

DECT
Support for 6 handsets
Support for 64 ULE nodes

USB Interface
1 x USB 3.0
1 x USB 2.0

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) 209 x 165 x 35 (W x D x 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-CIent
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) 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

Adapter board
Support for Z-Wave
Support for Zigbee
Support for Bluetooth

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.

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