Fiber gateway open
for tailor made services

EG300 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.

EG300 is more than a traditional fiber gateway; it creates new revenue streams by enabling operators to delivered tailored services to their end-customers. Several applications are available today at your local appStore both for iOS and Android to see it in action.

Features

Service Delivery enabler for home automation applications

Touch based interface with proximity

Excellent WiFi performance with 802.11ac; better throughput and coverage

Supports most modern home automation standards such as Zigbee, Z-Wave and DECT ULE

Optional adapter board supporting Zigbee, Z-Wave, Bluetooth etc.

Optional Fiber tray and CATV overlay module

Included

| Fiber | Ethernet | DECT /ULE | WiFi 802.11.n 2.4GHz | WiFi 802.11.ac 5GHz |

Optional

| Zigbee | Z-Wave | Bluetooth |

Specifications

Hardware

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 and
100/1000 Base-X SFP slot

USB Interface
2x 1,5A shared USB 2.0

DECT
Support for 6 handsets
Support for 64 ULE nodes

CATV
I2C based control interface

Power supply
12V DC 2,5A

LED and buttons
i-panel touch panel with proximity function
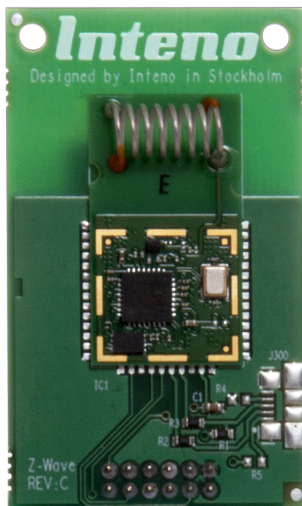WiFi On/Off, WPS, DECT pairing.

Operation
Operation Temperature: 0°C ~ 45°C
Power consumption: compliant to EU CoC

Physical Dimensions
(Preliminary) 200 × 163 × 34 (W × D × H)

Adapter board

Support for Z-Wave
Support for Zigbee
Support for Bluetooth

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

Voice Services
Supports voice CODECs like G.711 alaw/ulaw, G.726, G.729A, G.722, BV16, ILBC, T.38 etc
2 FXS ports
G.168 line echo cancellation with programmable tail
Adaptive jitter buffer, packet loss concealment (PLC), voice activity detection (VAD), comfort noise generation (CNG) and Caller ID
Supports SIP (RFC3261, 3263, 3264), SDP (RFC2327,3264,4566) using TLS, TCP or UDP transport, SIP Session timers (RFC 4028)
Supports RTP, T38/udptl

DECT
GAP and CAT-iq handset support
CAT-iq 2.0 functionality
HD voice support
ULE for smart home connectivity

Management
IUP (Inteno Universal Provisioning) DHCP option 43/66/67/121/128
SNMP v2c/3 MIB-II
UPnP Internet Gateway Device (IGD) compliance
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.