

EG101 Wireless VoIP Gateway

The all-in-one gateway for your home

The EG101 is a residential gateway with built in bridge and router functions. EG101 features one 100Base-T WAN interface, four LAN ports, two FXS POTS ports and wireless 802.11b/g. The integrated Ethernet switch features automatic crossover correction. Two lines of telephony service are provided using VoIP technology with SIP signaling protocol.



Features

- Ethernet interface supports up to 100 Mbps downstream and 100 Mbps upstream rates
- Integrated four-port Ethernet switch with automatic speed sensing and crossover correction
- 802.11b/g WLAN supports up to 54 Mbps transmission rate (optional)
- Secure transmitting encryption by either 802.1x; WEP; WPA; WPA2; TKIP; AES; 802.11i
- Two FXS ports for VoIP
- Supports voice CODECs like G.711, G.726, G.729AB, BV16, ILBC, T.38 etc.; programmable G.168 echo cancellation, adaptive jitter buffer and packet loss concealment
- Voice activity detection (VAD), comfort noise generation (CNG) and Caller ID
- DTMF tone detection and generation; Fax / Modem detection and pass-through
- Supports SIP signaling protocol and bonus services like call forwarding, call waiting, call transfer, call busy, call return, enquiry service, CLIP/CLIR and three way conference
- Supports Networking protocols such as PPP, NAT, Routing, DHCP server / relay / client
- Local and remote management and configuration
- Firmware upgradeable through HTTP / TFTP / TR-069
- Supports TR-069 and TR-104



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Specification, hardware

Local Interface

- Four 10/100 Base-T Ethernet ports in RJ-45 connector, comply with IEEE 802.3u
- Integrated 802.11g WLAN Access Point with external antenna, backward compatible with 802.11b

WAN Interface

- Four 10/100 Base-T Ethernet ports in RJ-45 connector, comply with IEEE 802.3u

Analog Voice Interface

- 2 * FXS ports with RJ-11 connectors for analog phone set connection

Environment

- 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

- DC adapter: Input 120 VAC/60Hz or 230VAC/50Hz; Output 12V DC 1A
- Power consumption: Less than 15 watts

Physical Dimensions

- (220 × 150 × 28)

Specifikation, software

Routing

- Supports Point-to-Point Protocol (PPPoE) and user authentication via PAP, CHAP or MS-CHAP
- Routing Information Protocol (RIP) v1 and v2, static route
- DHCP client, server and relay agent
- NAT / PAT – RFC1631 with support for extensive ALGs

- DNS relay

Firewall

- NAT: 16 sessions, 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

Wireless

- Supports 802.1x; WEP; WEP2; WPA; WPA2; TKIP; AES; 802.11i
- Hidden SSID
- WMM for advanced Quality of Service
- AES in hardware

Voice

- FXO for failsafe lifeline
- Supports voice CODECs like G.711, G.726, G.729AB, BV16, ILBC, T.38 etc

- 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

- DTMF tone detection and generation; Fax / Modem detection and pass-through

VoIP and Telephony Bonus Services

- Supports SIP (RFC3261), SDP (RFC2327, RFC3264) as well as both TCP and UDP transport
- Supports User Agent Client (UAC) - User Agent Server (UAS) call, or proxy call routing
- Supports SIP and telephone URL addressing
- Supports in-band DTMF tone sending / receiving and out-band DTMF signaling with RTP, as per RFC2833
- Provisioning through TFTP client with configuration profile
- Configuration and Network Management
- SNMP GETs, SETs and TRAPs for four groups in MIB-II
- Embedded syslog; SNTP with DHCP options
- UPnP Internet Gateway Device (IGD) compliance
- Management and configuration via Web / HTTP

- Firmware upgrade using HTTP or TFTP
- Supports TR-069 and TR-104

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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