MG704A

UNINet™ GSM Mobile Gateway

Specifications

Highlights

Enhanced QoS function

The MG704AH model offers enhanced QoS functionality due to traffic-based and WAN bandwidth management.
By limiting the traffic rate of the up-link (WAN) port the MG704AH reflects the actual broadband up-link speed.
The MG704AH also prioritizes voice over data traffic effectively removing one of the most common sources of service degradation in IP Telephone networks.

Toll Quality Voice

The MG704AH deliver clear, high-quality voice communication in a variety of network conditions. They are interoperable with common telephony equipment like voice mail, and interactive voice response systems.

Large scale deployment

The MG704AH offers key features and capabilities for service providers to provide customized services to their subscribers.
The MG704AH can be remotely provisioned and configured. This saves providers the time, cost and hassle of managing, pre-configuring and re-configuring customer premises equipment.

Support for PPPoE or DHCP

Point to Point Protocol over Ethernet (PPPoE) is a standard for connecting multiple units through the same router or CPE device. By using PPPoE service providers are able to provide access control and billing functionality in a manner similar to dial-up services, in addition to providing type of service on a per user, rather than a per site basis. In many areas of the world PPPoE is a requirement for deploying devices in IP networks.
The MG704AH also supports DHCP which makes it easier to deploy and maintain IP telephony networks.

Designed to fit your requirements

Mode	Mobile Gateway Description	Order Information
MG704AH	2 POTS (FXS) ports for analog phone 1 GSM Engine for GSM access 1 optional GSM connector reserve for upgrade 1 WAN port for internet access 4 LAN port with QoS for subnet PCs / LAN	MG704AH-E (900/1800MHz) MG704AH-A (850/1900MHz)
MG811EG	GSM engine upgrade Kit - 1 GSM engine - Antenna - connecting cable	MG811EG-E (900/1800MHz) MG811EG-A (850/1900MHz)

VoIP Protocol Stack

- *SIP v2 - Session Initiation Protocol Version 2 (RFC3261)*
  - * Power - On auto registration
  - * Re-registration with SIP Proxy Server (configurable interval setting)
  - * SIP over UDP
- SDP stack (RFC2327)
- SIP authentication (HTTP Digest with MD5)

Phone User Services

- Place / Cancel outgoing call
- Answer incoming call
- Flexible dial plan support

GSM Interface

- Dual Band 900 / 1800MHz or 850 / 1900MHz
- Compliant with ETSI GSM
- Antenna Impedance: 50ohm SMA Female

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Voice Features

- Audio Codec Support (for optional)
  G.711(A-law and Mu-law) / G.723.1 / G.726 (16/32 kbps) / G.729 AB
- Exchange of Codec capability
- Dynamic Payload
- DTMF In-band and Out-of-Band (RFC2833)
- Tone Generation
  Dial Tone / Ring Back Tone / Busy Tone / Warning Tone
- Adaptive Jitter Buffer
- Packet Loss Concealment
- VAD - Voice Activity Detection
- CNG - Comfort Noise Generation
- Attenuation / Gain Adjustments
- Call progress tone generation

GSM Interface

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Security

- Password Protected Administration
- Admin and User Access Authority
- HTTP Digest - Encrypted Authentication via MD5

Provisioning, Administration and Maintenance

- *Web Browser Administration and Configuration via Integrated Web Server*
  * TCP / IP Setting (WAN & LAN Setting, PPPoE Setting, Static Route, Route Monitor, NTP, DHCP, DHCP Table, Virtual Server)
  * Telephony Setting (SIP, FXS, AUDIO)
  * Dial Plan (Digital Length Table, Route Policy Table, Caller ID Table, SIP Number Table, User Password Table, MR Table, MA Table)
  * System Management (Upgrade, Reset, Config, Login Setting, Reboot)
  * Advanced Setting (VAA Setting, Quality of Service)

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Data Networking

- MAC Address (IEEE 802.3)
- Ethernet (10BaseT / 100BaseTx optional)
- IPv4 - Internet protocol Version 4 (RFC791)
- ARP - Address Resolution Protocol (RFC826)
- DHCP Server / Client - Dynamic Host Control Protocol (RFC2131)
- DNS - Domain Name Server
- NAT - Network Address Translator (RFC 1631)
- NTP - Network Time Protocol
- ICMP - Internet Control Message Protocol (RFC792)
- TCP - Transmission Control Protocol (RFC793)
- UDP - User Datagram Protocol (RFC768)
- RTP - Real Time Protocol (RFC1889)
- PPPoE - Point to Point Protocol over Ethernet (RFC2516)
- Type of Service - TOS (RFC791)
- DiffServ (RFC2475)

Telephone Set Management

- VAA Recorder