

OM-GW2000E-4G/8G

Multi-functional GSM/CDMA/ Voip Gateway series



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OMX GW2000E series GSM/CDMA/WCDMA VoIP Gateway is a multi-functional product used to effectively implement the smooth transition between mobile and VoIP network. It has great improvement not only in software features but also in new hardware structure design. It is fully compatible with OMX SIMCloud/SIMbank solution and easy to use. Moreover, with built-in 4–1 antenna power divider which is saving space and more easier to install

KEY BENEFITS

- 4/8 GSM/CDMA/WCDMA Channels
- GSM: Quad
band850/900/1800/1900MHz
- CDMA: 800MHz
- WCDMA: 900/2100MHz
- Up to 8 Concurrent Calls
- Flexible Dial Rules and Manipulation Rules
- SMS Sending and Receiving
- USSD, Open API for SMS/USSD
- PSTN and VoIP Hotline
- BCCH
- PIN Code Management
- Remote SIM Card Management(SIMCloud)

Voice Capability

- G.711A/U law, G.723.1, G.729A/B
- Silence Suppression & Detection
- Comfort Noise Generation(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation(G.168)
- Adaptive (Dynamic) Jitter Buffer
- Call Progress Tone Generation
- Programmable Gain Control

Mobile Feature

- Frequency Range:
- GSM: 850/900/1800/1900MHz
- CDMA: 800Mhz
- WCDMA:900/2100MHz(Optional)
- SMS/SMSC/USSD
- SMS Coding/Decoding: ASCII/UCS2
- Open API Protocol
- PIN Code Management
- Call Duration Limitation for SIM Card/Single Call
- Polarity Reversal (GSM)
- Answer Delay (CDMA)
- Carrier Selection
- Caller ID Restriction for Outgoing Call
- BCCH Management
- Call Waiting
- Call Forwarding

Network Protocol

- IP v4, UDP/TCP, PPPoE, DHCP, FTP/TFTP ARP,RARP, NTP
- VPN PPTP
- Encryption: RC4,MD5 (Coming Soon)
- IP v6 (Coming Soon)
- HTTP, Telnet

SIP Characters

- SIP V2.0 RFC3261
- SDP RFC2327
- Session Timer RFC4028
- RTP/RTCP RFC3551
- SIP Registration
- SIP Trunk (Peer Mode)
- SIP Trunk Group
- Ringback(Immediately, Alerting)
- Configurable SIP Release Code
- DNS SRV/A Query
- Outbound Proxy
- DTMF Mode: Signal/RFC2833
- NAT Traversal
- Dynamic NAT, Static NAT, STUN

Physical Interfaces

- SIM Card Slot: 4/8 Channels
- Ethernet Interface: 2 LAN 10/100M Base-TxRJ45
- Console: 1* RS232 115200bps
- Antennas Connectors: SMA
- LED Indicators: PWR, RUN, Signal Strength, On/Off-hook
- Reset Button
- SIM Card Installation local SIM/Remote SIM with SIMBank

Physical Properties

- Power Supply
- Input:100-240V,50-60Hz
- Output: DC12V 4.0A
- Power Consumption:
- OM-GW2000E-4G: 20w
- OM-GW2000E-8G: 25w
- Temperature(Operation): 0 °C~ 45 °C
- (Storage): -20 °C~80 °C
- Operation Humidity: 10%-90% No Condensation
- Dimension(W/D/H): 250*156*32.5mm
- Weight: 1.069kg
- Package Weight: 2.05kg

Maintain & Upgrade

- Web Based Configuration
- Telnet Configuration
- Configure Backup/Restore
- Support English and Chinese language
- Firmware upgrade by HTTP/TFTP
- Web & Telnet Login Password Modify
- Factory Reset
- CDR (10000 Lines CDRs Storage Locally)
- Output CDR via Syslog
- Syslog
- Ping and TracertTest
- Traffic statistics: TCP,UDP,RTP
- VoIP Call Statistics
- PSTN Call statistics: ASR,ACD,PDD
- Voice Dialogist with Loopback
- IVR Customization
- System Logs