

# OM-PG3100-2E1

Digital trunk gateway based on embedded operating system.



## OM-PG3100-2E1

OM-PG3100-2E1 is a carrier grade NGN trunk gateway. It supports SIP-T/SIP/H.323 protocol to connect with SIP T/SIP/H.323 soft switch, and supports PRI/SS7 signaling protocol to connect with PSTN. Up to 240 channels processing capacity, it guarantees the maximum performance of 8\*E1/T1 trunk gateway (G.711/G.723/G.729 codec calls and T.38/Pass-through Fax).

### KEY BENEFITS

- Energy efficiency concurrent processing, up to 240
- Service oriented architecture, rich services, support voice, IP fax and Modem/POSService
- Flexible dial-up rules and operation, in order to adapt to the different work scene.
- Voice codec: G.711A/U, G.723.1, G.729A/B, iLBC
- Good compatibility, support Asterisk, Elastix, Freeswitch and Small and medium IPPBX platform

## Voice & Fax

- G.711A/U law, G.723.1, G.729A/B,iLBC
- 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
- T.38/Pass-through fax, up to 14.4kbps
- Modem
- RFC3407
- FAX/X-FAX
- QoS control: ToS, DS

## Call Feature

- DTMF : RFC2833, SIP INFO, INBAND
- Back tone/busy tone control
- Digit Map
- Dial rule configuration, max 2000 rules
- Overlap receiving
- Dial time control
- Time slot group management
- E1/T1 port group management

## Maintain & Upgrade

- Web based configuration
- HTTP/Telnet configuration
- Data backup/restore
- Support English and China language
- Firmware upgrade by TFTP
- Web & telnet login password modify
- SNMP management
- Syslog: Debug, Info, Error, Warning ,
- Notice
- CDR
- NTP Configuration

## Protocol & IP Feature

- SIP-RFC 3261, 3262, 3263, 3264,
- 3265, 3515, 2976, 3311
- SDP -RFC 2327
- RTP/RTCP-RFC2198, 1889
- SIP-T, RFC3372, RFC3204, RFC3398
- H.323, ITU-T H.323 V4
- SIP domain register
- IP group management
- Trunk priority management
- H.323
- Peer/Access work mode
- IP address/domain authentication
- SIP username/password register to remote

## Signal

- PRI/PRA ISDN E1/T1, Japan
- T1. ITU-T I.431, Q.921, Q.931, ETSI
- Q.sig
- SS7/No.7
- ITU, ANSI, ETSI, ITU-China,
- MTP layer 1/2/3, ISUP/TUP
- SS7 MTP link management
- SS7 circuit maintenance

## Routing & Num manipulation

- Many routing way
- PSTN-PSTN, PSTN-IP, IP-IP, IP-PSTN
- Intelligent routing
- Routing time control
- 256 routing
- Caller/callee manipulation
- 128 number manipulation

