

UBG2000

PRI Gateway

High Availability Digital VoIP Gateway

4.'8.'12.'16'20 E1'T1



Product Description

UBG2000 is a new-generation intelligent VoIP gateway, which is designed for enterprises, telecom operators and various industries. Focusing on a concept of maintainable, manageable and operable, UBG2000 features high integration and large capacity. It provides carrier-grade VoIP and FoIP . services, as we ll a s value-added functions such as modem and voice recognition. Thus it constructs a flexible. high-efficient, future-oriented communication network for users.

UBG2000 supports a range of signaling protocols. realizing the interconnection between SIP and traditional signals like SS7 and PRI. It supports multiple codec methods, offers signal encryption technology and smart voice recognition technology, and improves the utilizing efficiency of trucking resources while ensuring voice quality. The trunk gateway is ideally fit for various access networks of SMEs, call centers, telecom operators and large-scale enterprises

Product Features

- Carrier grade hardware design, 1+1 power supply
- High-integrated structure. up to 20 E1 ports in 1U size
- Support flexible dialing rules and operations, allowing users to customize dialing rules according to different working environments
- Support multiple coding standards: G.711A/U, G.723.1, G.729A/B and iLBC
- High compatibility, interoperable with PBX of Avaya, NEC and Alcatel. and also leading soft-switch of Huawei. Cisco and ZTE etc.

UBG2000 Digital VoIP Gateway

Physical Interfaces

E1/T1 Ports

4.'8.'12.'16'20 E1'T1

DTU Module :

4 E1.'T1

Interface Type

RJ48(Impedance 120Ω)

Ethernet Interface

GE1 10/100/1000 BaseT Adaptive Ethernet

GE0 10/100/1000 BaseT Adaptive Ethernet

Serial Port

1* RS232, 115200bps

Voice Capabilities

Codecs:G.711a'g law,G.723.1, G.729A'B,

iLBC, AMR

Silence Suppression

Comfort Noise

Voice Activity Detection

Echo Cancellation (G.168), with up to

128ms

Adaptive Dynamic Buffer

Voice ,Fax Gain Control

FAX:T.38 and Pass-through

Support Modem/POS

DTMF Mode: RFC2833/Signa/Inl-band

Clear Channel /Clear Mode

Environmental

1+1 Redundancy Power Supply

Power Supply: 100-240VAC, 50-60 Hz

Power Consumption:45W

Operating Temperature:0 °C ~ 45 °C

Storage Temperature: - 20 °C ~80 °C

Humidity:10%-90% Non-Condensing

Dimensions(W/D/H):

436*300*44.5mm(1U)Unit Weight:

3.8kg

Compliance: MTCTE

PSTN

ISDN PRI

23B+D(T1),30B+D(E1), NT or TE

ITU-T Q.921, ITU-T Q.931, Q.Sig

Signal 7/SS7

ITU-T, ANSI. ITU MTP1

MTP2/MTP3, TUP'ISUP

E1 Frame Type : DF,CRC-4,CRC ITU

T1 Frame Type :

4-Frame Multii-frame (F4.FT),

2-Frame Multi-frame (F12. D3 /4),

Extended Super-frame (F24. ESF)

Remote Switch Mode (F72. SLC96)

Line Codes:

E1:NRZ,CMI,AMI ,HDB3

T1:NRZ,CMI,AMI,B8ZS

Clock : Local./Remote Clock Source

Maintenance

Web GUI Configuration

Data Backup/Restore

PSTN Call Statistics

SIP Trunk Call Statistics

Firmware Upgrade via TFTP/FTP/Web

Network Capture

SNMP v2

Syslog:

Debug, Info, Error, Warning , NoticeCall

History Records via Syslog

NTP Synchronization

Software Features

Local./Transparent Ring Back Tone

Overlapping Dialing

Dialing Rules. with up to 2000

PSTN group by E1 port or E1

TimeslotIP Trunk Group

Configuration

Voice Codecs Group

Caller and Called Number White

Lists Caller and Called Number

Black ListsAccess Rule Lists

IP Trunk Priority

VoIP Protocol

SIP v2 0 (UDP/TCP), RFC3261

SDP,RTP(RFC2833), RFC3262,

3263,3264,3265,3515,2976,3311

SIP TLS/SRTP

RTP/RTCP, RFC2198, 1889

SIP-T,RFC3372, RFC3204, RFC3398

SIP Trunk work Mode :

Peer/Access

SIP/IMS Registration :

With up to 2000 SIP Accounts

NAT: Dynamic NAT, Rport

Call Features

Flexible Route Methods PSTN-

PSTN, PSTN-IP, IP-PSTN

Intelligent Routing Rules

Call Routing base on

Time

Call Routing base on Caller/'Called

Prefixes256 Route Rules for each

Direction

Caller and Called Number Manipulation

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