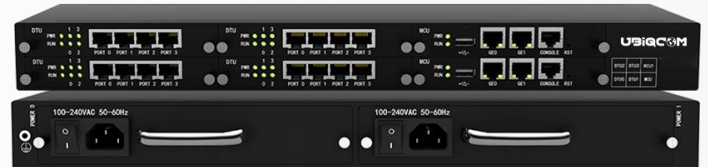


PRI Gateway

High Availability Digital VoIP Gateway

UB2000B



Product Description

UB2000B is a High Availability (HA) carrier-grade digital VoIP gateway equipped with redundant MCUs and redundant power supplies, scalable from 4 to 16 ports E1/T1. It provides carrier-grade VoIP and FoIP services, as well as value-added functions such as modem and voice recognition. With highly maintainable, manageable and operable features, it offers a flexible, high-efficient, future-oriented communication network for users.

UB2000B supports a wide-range of signaling protocols, realizing the interconnection between SIP and traditional signals like ISDN PRI / SS7, utilizing efficiency of trunking resources while ensuring voice quality. With multiple voice codes, secure signal encryption and smart voice recognition technology, UB2000B is ideal for various applications of large enterprises, call centers, services providers and telecom operators.

Product Features

- 4 to 16 ports E1/T1 in 1U chassis
- Up to 480 simultaneous calls
- Redundant MCUs (Main Control Unit)
- Dual Power Supplies
- Flexible routing
- Multiple SIP trunks
- Fully compatible with mainstream VoIP platforms

UB2000B Digital VoIP Gateway

Physical Interfaces

E1/T1 Ports

4/8/12/16 E1/T1

DTU Module :

4 E1/T1

Interface Type

RJ48(Impedance 120Ω)

Ethernet Interface

2X RJ45 Adaptive Ethernet Interface

Serial Port

1* RS232, 115200bps

Voice Capabilities

Codecs:G.711a/μ 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/Signal/Inband

Clear Channel/Clear Mode

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 ,
Notice

Call History Records via Syslog

NTP Synchronization

Centralized Management System

PSTN

ISDN PRI

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

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

E1 Frame Type :

DF,CRC-4,CRC_ITU

T1 Frame Type :

4-Frame Multi-frame (F4,FT),

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

Extended Super-frame (F24, ESF) ,

Remote Switch Mode (F72, SLC96)

Line Co. des:

E1:NRZ,CMI,AMI,HDB3

T1:NRZ,CMI,AMI,B8ZS

Clock

Local/Remote Clock Source

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

Prefixes

256 Route Rules for each Direction

Caller and Called Number

Manipulation

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: CE, FCC

Software Features

Local/Transparent Ring Back Tone

Overlapping Dialing

Dialing Rules, with up to 2000

PSTN group by E1 port or E1

Timeslot

IP Trunk Group Configuration

Voice Codecs Group

Caller and Called Number White Lists

Caller and Called Number Black Lists

Access Rule Lists

IP Trunk Priority

RTP and Signaling Encryption(VOS

RC4)

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 256

SIP Accounts

NAT: Dynamic NAT, Rport

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