

IP PBX8000

LVswitch IP PBX8000 is a converged communication gateway for medium and large enterprise communication applications.

LVswitch IP PBX8000 supports multiple analog/data/IP trunks, and provides voice services such as follow me, multi-level voice navigation, and teleconferencing. The system provides a web-based local management interface to support remote upgrade, maintenance, and centralized management.

LVswitch IP PBX8000 adopts softswitch core technology, supports local access to analog phone and IP phone users, and uses IP bearer network to remotely access IP phone or analog phone users under IAD, realizing mixed networking of analog phones and IP phones; The analog trunk or SIP trunk realizes the connection with PSTN or private network voice switch equipment, effectively providing enterprise deployment and communication efficiency, and helping to enhance enterprise value.



A variety of interface types designs , strong compatibilit



Top level CPU, Industrial Grade Configuration



Software and hardware QOS

LINUX

Dual system configuration, Automatic switching to ensure the normal operation of the system



SBC functional safety 360° always guards the security of phone bills



Built-in router function Dial-up Internet access / broadband allocation, IP address black and white list

technical parameter | IP PBX8000

Slot

- There are 19 standard slots, 1~19 from left to right

E1/T1 board

- Digital Relay Board, Slots 6 and 7
- 4 or 8 E1/T1 ports, RJ45, 120 ohms,
- The maximum value is 16 E1/T1

Dimension

- 443x420x188mm

Weight

- < 19kg

MEXP single board

- Host user expansion board, slot 5
- 2 maintenance network ports, RJ45 interface
- 1 console port, RJ45 port, 115200bps
- 1 USB2.0 interface

MRU single board

- Media resource board, slot 4, 6 EXP ports, RJ45 ports, 128~512 VOIP channels

SSW single board

- System switch board, slot 3, 1 WAN, 2 LAN, RJ45 interface, rate 10/100/1000Mbps;
- 1 console port, 115200bps;
- 1 USB2.0 interface

Single machine maximum FXS/FXO analog interface

- Analog Relay Board, slots 6 to 17
- 32FXS/FXO, 8 RJ45
- A single machine is fully equipped with a maximum of 384 ports



Case

- 4.5U, Metal Material

PWRboard

- Power strip, slot 18/19
- Support dual power supply
- AC/DC power supply supported

Voice conference

- Maximum 512 party

Maximum power

- 300W

Power input

- Rated voltage range: 100V AC~240VAC
50/60Hz

Working environment

- Relative Humidity: 95% non-operating, non-condensing at 25°C to 30°C
- Ambient temperature: 10°C to 35°C during operation, -40°C to +55°C ambient during non-operation

Reliability

- 7X24 hours, the success rate is greater than 99.999%
MTBF greater than 80000 hours

Upstream IP interface

- Static IP
- DHCP
- PPPoE
- WAN subinterface

Upstream interface mode

- Routing mode
- Bridge mode

IIP Services

- DDNS
- Static routing
- NAT
- Port Mapping
- UPnP
- Virtual domain name
- ALG
- DNS
- NTP
- DHCP service

Traffic management

- QOS strategy
- Broadband Policy

QOS

- Hardware chip realizes VoIP QOS

Extension type

- Analog extension: analog phone
- SIP Extension: IP phone, video phone, softphone

Trunk type

- Analog trunk
- SIP/IMS trunking
- PRI/SS7/R2/Q signaling

Voice codec

- G.711U
- G.711A
- G.723
- G.729
- G.726

Video codec

- H.323
- H.263
- H.264(Transparent mode)

DTMF

- RFC2833
- SIPinfo
- inband

FAX

- T.30
- T.38

Business statistics

- Call log
- Traffic Statistics

Call processing

- Outbound routing
- Inbound routing
- Number exchange
- Dial plan
- Calling number identification
- Called number identification
- Call out whitelist
- Inbound whitelist

WAN port access control

- WEB access
- Ban PING
- SSH protocol
- SIP protocol

IP address black and white list

- IP address black and white list

ARP attack defense

- IP/MAC bind
- ARP attack prevention

Voice service

- Local number query
- Calling number identification display, calling number display restriction
- Unconditional call forwarding
- Call forward when busy, call forward when no answer
- Blind transfer, inquiry transfer
- Call waiting, call save, call park
- Three-way calling, hook-flash permission, abbreviated dialing
- Call barring, extension group barring
- Blacklist, Call Time Limit, Do Not Disturb
- Phone logout, group pickup
- Immediate Hotline, Delayed Hotline
- Simultaneous and sequential ringing services
- Alarm service, VIP extension number, recording and playback service
- One machine with multiple numbers, voice mail, CRBT service
- Queue, Enterprise Switchboard, Follow me
- Billing service, recording service, video call

DDOS protection

- Ping of Death、Tear dop、TCP Flood
- UDP flood、Traceroute、IP Spoofing
- Port Scan、WINNUKE Attack

VPN

- IPsec、L2TP、PPTP

VoIP Security

- SIP registered account verification, SIP registered IP address verification
- Total call duration limit, traffic monitoring

Local management

- Web mode、Telnet、SSH

Remote management

- SNMP、TR069

System test

- Ping、Traceroute、Ifconfig
- Route、HttpGet、DNS Query

Log management

- Operation log, running log, user log, security log

System maintenance

- Configuration backup and recovery, system upgrade
- Restore factory value, time setting