

# IP PBX3000

LVswitch IP PBX3000 is a converged communication gateway for small and medium-sized enterprise communication applications.

LVswitch IP PBX3000 supports multiple analog/IP trunks, and provides services such as one-number access at home, multi-level voice navigation, and teleconferencing. The system has a Web-based local management interface that supports remote upgrade, maintenance, and centralized management. LVswitch IP PBX3000 adopts softswitch core technology, supports local access to analog phone and IP phone users, and uses IP bearer network to remotely access IP phones or analog users under IAD, realizing the hybrid networking of analog phones and IP phones; The analog trunk or SIP trunk realizes the connection with PSTN or private network voice switching equipment, effectively provide enterprise deployment and communication efficiency, and help improve enterprise value.



**A variety of interface types designs , strong compatibility**



**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 PBX3000

### Processor

- High-performance ARM dual-core CPU

### RAM/FLASH

- 4Gb

### SSW single board

- System switch board, slot 1, 1 WAN, 2 LAN,
- 1, R J45 interface, rate 10/100/1000Mbps
- 1 console port, 115200bps
- 1 USB2.0 interface

### MEXP/E1 board

- Host user expansion board, slot 2
- 2 maintenance RJ45 network ports
- 4 E1/T1 ports
- 1 USB2.0 interface

### Dimension

- 443x356x64mm

### Weight

- < 8kg

### Case

- 1.5U, Metal Material

### Power

- 150W

### Power input

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



### Working environment

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

### 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

### IP 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
- E1/T1 trunk

### Voice codec

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

### Video codec

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

### DTMF

- RFC2833
- SIPinfo
- Inband

### FAX

- T.30
- T.38

### Business statistics

- Call log
- Traffic Statistics

### Call handling

- Call 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 binding
- ARP attack prevention

### Voice service

- Local number inquiry
- 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 hold, 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