IP PBX6000

LVswitch IP PBX6000 is a converged communication gateway for medium-sized enterprise communication applications. LVswitch IP PBX6000 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 upgrades, maintenance, and centralized management.

LVswitch IP PBX6000 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 providing enterprise deployment and communication efficiency, and helping to enhance enterprise value.

A variety of interface types designs , strong compatibilit

CPU
Top level CPU, Industrial Grade Configuration

Software and haredware QOS

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

SBC
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

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technical parameter | IP PBX6000

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
• 443x356x108mm

Weight
• < 11kg

Case
• 2.5U,Metal Material

Power
• 200W

Power input
• Rated voltage range:
   100V AC~240VAC,
   50/60Hz

LV Switches Inc.

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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 maintanence

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