



# IAD100-4/8/16/32FXS

IAD products are high-performance, multi-purpose voice access gateways designed for small and medium-sized enterprises. The products support data, voice, security, VPN and other functions to meet the needs of operators or virtual operators and enterprise units to provide users with IP access. Broadband, voice and fax services, this product can also be used with IP PBX equipment to provide efficient voice communication for the establishment of cross-regional IP voice switching networks for branches of government, enterprises and schools.

IAD products include a variety of interface types to support the connection of analog phones, fax machines, PCs and broadband networks. The product adopts the standard SIP protocol and complies with the TISpan/IMS standard. It is perfectly compatible with IP PBX, SIP server and carrier IMS/NGN softswitch platform, providing flexible and diverse access modes for large-scale deployment of carrier projects and enterprise converged communications. LV Switch Inc. has accumulated years of practical experience and strong technology in SIP, voice processing and embedded system design. VoIP voice gateway has been adopted by operators and many enterprises around the world.



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

**Top level CPU, Industrial Grade Configuration**



**QOS Both software and hardware QOS**



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

**LINUX x2**



**Voice Mode Settings Support IMS, NGN, SIP voice mode settings**

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



### FXS interface

- 4FXS:4 (RJ11)
- 8FXS:8 (RJ11)
- 16FXS:16 (RJ11)
- 32FXS:32 (RJ11)

### Dimension

- 4FXS:200x170x43.5mm
- 8FXS:350x180x43.5mm
- 16FXS:440x210x43.5mm
- 32FXS:440x224x43.5mm

### Power input

- 4FXS:DC12V;1.5A
- 8FXS:100VAC-240VAC; 50/60Hz
- 16FXS:100VAC-240VAC; 50/60Hz
- 32FXS:100VAC-240VAC; 50/60Hz

### Weight

- 4FXS: < 1KG
- 8FXS: < 1.5KG
- 16FXS: < 2KG
- 32FXS: < 2.2KG

### Reliability

- 7X24 hrs
- The success rate is greater than 99.999%
- MTBF is greater than 80000 hours

### Case

- 1U
- Metal Material

### Power

- 4FXS:15W
- 8FXS:20W
- 16FXS:25W
- 32FXS:45W

### Processor

- CORTEX-A9 dual core CPU processor

### Console

- 1\*RJ45
- 115200bps

### Network interface

- 1个WAN
- 3个LAN
- Full Gigabit Ethernet port (1000 Base-T Ethernet)

### 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

### USB

- 1\*USB 2.0
- Full speed

### Call concurrency

- Fully concurrent

### Basic Function Voice Protocol

- Static IP, DHCP, PPPoE
- WAN sub-interface
- DHCP server
- NAT
- DNS
- IGMP
- VLAN
- Static route
- Dynamic route
- Policy route
- PPTP
- L2TP
- IPSec SSL
- VPN
- Support Switch VLAN
- Trunk Port
- Support NTP Client
- Support Bandwidth Control
- QoS Policy
- Support Security Firewall
- APR Defense
- DDoS protection

### Voice codec

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

### Voice quality assurance

- Support echo cancellation
- Mute detection
- Mute compression
- Comfortable background sound generation
- Support jitter buffer
- Support voice frame compensation function
- Support gain adjustment

### Voice service

- Basic calling
- Caller ID display
- Call forward
- Three-way calling
- Find malicious calls
- Call restriction
- DND
- Abbreviated dial
- Hotline service
- Alarm clock
- Call back on busy
- Conference call
- Support IMS-based SIP voice service
- NGN SIP voice service
- Voice Service Based on H.248

### Log function

- Support local logging
- log upload server

### Local management

- Support local HTTP web management
- Remote HTTPS Web management SSH console interface
- Support import and export of gateway configuration files
- Support device reset
- Software upgrade
- System debug
- Support fault detection
- Device status monitor

### Remote management

- Remote update function
- SNMP network management protocol
- Tr069 network management protocol
- SYSLOG Remote Network Management Protocol