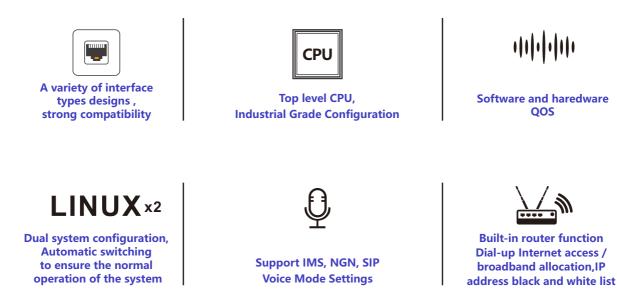# IAD100-128/256FXS

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.

Shanglu Technology has accumulated years of practical experience and strong technology in SIP, voice processing and embedded system design. Its VOIP voice gateway has been adopted by operators and many enterprises around the World.

A variety of interface types designs , strong compatibility

CPU

Top level CPU, Industrial Grade Configuration

Software and haredware QOS

LINUX x2

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

Support IMS, NGN, SIP Voice Mode Settings

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

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LV Switches Inc.

Official website　　WeChat public account

FXS interface

• 128FXS:128个 (RJ45)

• 256FXS:256个 (Rj45)

Dimension

• 128FXS:443x356x64mm

• 256FXS:443x356x108mm

Power input

• 100VAC-240VAC; 50/60Hz

Weight

• 128FXS: < 8KG

• 256FXS: < 11KG

Reliability

• 7X24 hrs

• The success rate is greater than 99.999%

• MTBFis greater than80000 hours

Case

• 128FXS: 1.5U;Metal Material

• 256FXS:2.5U;Metal Material

Power

• 128FXS:150W

• 256FXS:200W

Processor

• CORTEX-A9 dual core CPU processor

Console

• 1*RJ45

• 115200bps

Network interface

• 1*WAN

• 2*LAN

• Full Gigabit Ethernet port

  (1000 Base-T Ethernet)

USB

• 1*USB 2.0

• Full speed

Working environment

• Relative Humidity:

  95% non-condensing at 25℃ to 30℃

  non-operating

• Ambient temperature:

  Operating 10℃ to 35℃

  Non-operating -40℃ to +55℃ ambient

Call concurrency

• Fullly concurrent

Basic Function Voice Protocol

• Static IP, DHCP, PPPoE

• WAN subinterface

• DHCP server

• NAT

• DNS

• IGMP

• VLAN

• Static routing

• Dynamic routing

• Policy routing

• 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

Log function

• Support for local logging

• Log upload log server

Voice quality assurance

• Supports echo cancellation

• Silence detection

• Silent compression

• Comfortable background

  sound generation

• Support jitter buffer

• Support voice frame compensation

  function

• Support gain adjustment

Voice service

• Basic call

• Caller ID display

• Call forwarding

• Three-way calling

• Find malicious calls

• Outgoing barring

• Do not disturb

• Abbreviated dialing

• Hotline service

• Alarm clock

• Callback on busy

• Conference call

• Support IMS-based SIP voice service

• NGN SIP voice service

• Voice service based on H.248 protocol

Local management

• Support local HTTP web management

• SSH console interface for remote HTTS

  Web management

• Supports import and export of gateway

  configuration files

• Support device reset

• Software upgrade

• System debugging

• Support fault detection

• Equipment status monitoring

Remote management

• Remote upgrade function

• SNMP network management protocol

• Tr069 Network Management Protocol

• SYSLOG remote network management

  protocol