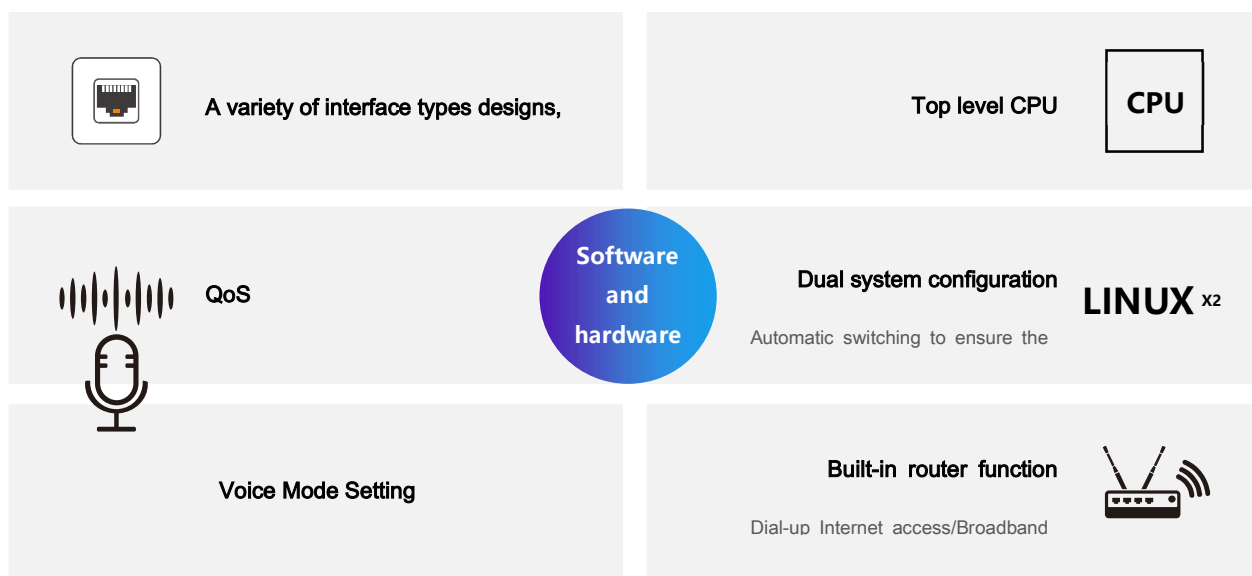# ATXS4A

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 network for branches of government, enterprises and schools.IAD products include a variety of interface types to support the connection of analog phones, fax machines, PC and broadband networks.The products 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 soft switch platform, providing flexible and diverse access modes for large-scale deployment of carrier

Projects and enterprise converged communication. The manufacturer has accumulated years of practical experience and strong technology in SIP, voice processing and embedded system design. VoIP voice gateway

A variety of interface types designs,	Top level CPU	CPU
QoS	**Software and hardware**	Dual system configuration Automatic switching to ensure the	LINUX x2
Voice Mode Setting	Built-in router function Dial-up Internet access/Broadband	

FXS interface

• 4FXS：4*RJ11

Dimension

• 4FXS：212x149x26mm

Power input

• 4FXS：DC12V, 1.5A

Weight

• 4FXS：＜1.8KG

Reliability

• 7X24 hours

• The success rate is greater than 99.999%

• MTBF is greater than 80000 hours

Case

• 1U

• Metal material

Power

• 4FXS：15W

Processor

• CORTEX-A9 dual core CPU processor

Console

• 1*RJ45

• 115200bps

Network interface

• 1*WAN

Remote management

• Remote update function

• SNMP network management protocol

• Tr069 network management protocol

• SYSLOG Remote Network Management Protocol

Voice codec

• G.711U

• G.711A

• G 723

• G.729

• 3*LAN

• Full Gigabit Ethernet port (1000 Base-T Ethernet)

Working environment

• temperature and humidity：-5~55℃ less than95% (non condensing)

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

• IGMP

• VLAN

• Static route

• Dynamic route

• Policy route

• PPTP

• IPSec SSL

• VPN

• Support Switch VLAN

• Trunk Port

• Support NTP Client

• Support Bandwidth Control

• QoS Policy

• Support Security Firewall

• APR Defense

• DDoS protection

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

• Callback 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 HTTS Web management SSH console interface

• Support import and export of gateway configuration files

• Support device reset

• Software upgrade

• System debug

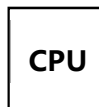• Support fault detection

• Support status monitor

4FXO

4FXO is a FXO voice gateway designed for small and medium-sized enterprise office communication applications. The 4FXO supports a variety of interface types, and can be used with the IAD100 series of FXS gateways, IP phones, etc., through the SIP registration principle to achieve the external call binding of the FXO port. The product adopts the standard SIP protocol, which is in line with the TISPAN/IMS standard, can provide rich routing settings and voice functions, and is perfectly compatible with SIP servers and carrier IMS/NGN soft switch platforms. It is suitable for large-scale deployment of carrier projects and enterprise convergence communications. The manufacturer has accumulated many years of practical experience and rich technology in SIP protocol, voice processing and embedded system design. Its voice gateway has been adopted by carriers and many enterprises around the world.

A variety of interface types designs, strong

CPU

Top level CPU, Industrial Grade

Software and

LINUX X2

Dual system configuration, Automatic switching to

Support IMS, NGN, SIP Voice Mode Settings

Built-in router function Dial-up Internet access/

FXO interface

• 4*RJ11

Dimension

• 350x180x43.5mm

Power input

• 100~240VAC, 50/60Hz

Weight

• < 1.5KG

Reliability

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

Case

• 1U
• Metal Material

Power

• 25W

Processor

• CORTEX-A9 dual core CPU processor

Console

• 1*RJ45
• 115200bps

Network interface

• 1*WAN
• 3*LAN
• Full Gigabit Ethernet

（1000 Base-T Ethernet）

Working environment

• Relative Humidity:
95% non-condensing at 25□
To 30□ when non-operating
• Ambient temperature:
10□~35□ when operating
-40□~+55□ ambient when
Non-operating

• Full speed

Call concurrency

• Fully 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

Voice quality assurance

• Support 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
• No disturbing
• 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

Log function

• Support for local logging
• Log upload log server

Local management

• Support local HTTP web management
• SSH console interface for remote HTTS Web management
• Support 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

USB

• 1*USB 2.0