

IAD100T Datasheet



Single port with PSTN VoIP gateway supporting SIP/IAX2 protocol, support VPN, auto provisioning, VLAN. Via enterprise VPN and IP private line, it supports simultaneous access of IP audio and data service. Besides, it is gateway with PSTN suitable for VOIP service provider, can work with Asterisk IP PBX perfectly.

Support Protocol:

- ◆ Support SIP (RFC3261, RFC2543)
- ◆ Support IAX2
- ◆ Support VPN
- ◆ Support Reverse polarity
- ◆ Support voice code: G711A/u, G729, G726, iLBC
- ◆ Support G.168 echo cancellation standard, compliant 96ms echo cancellation with speaker
- ◆ Support Jitter Buffer, VAD, CNG, SIP/IAX2, domain name register, point to point communication.
- ◆ Support the voice communication through RTP and RTCP.
- ◆ Support the DTMF Inbound/Outbound transmission; SIP info, DTMF Relay, RFC2833
- ◆ Support standards of the ring in different countries and regions.
- ◆ NAT penetration, support STUN client, CITRON, AVS etc..
- ◆ Support SIP domain, SIP Authentication (none, basic, MD5), Domain name explain
- ◆ Support SIP domain, SIP Authentication (none basic, MD5), domain name parse.
- ◆ Support two SIP servers (Public Server / Private Server) synchronously, make a call by either proxy.
- ◆ Support SIP application, including SIP Call forward/transfer/holding/waiting.
- ◆ Support L2TP protocol

Network Features:

- ◆ Support two models: Bridge and Router, and integrates the router functions of these two ports.
- ◆ Support basic NAT and NAPT
- ◆ Support PPPoE for xDSL, and support redial automatically when its offline
- ◆ Support DHCP client for WAN port
- ◆ Support DHCP server for LAN port
- ◆ Support DNS relay for LAN port, and provide DNS service for LAN network devices.
- ◆ Use the advanced technology DSP to ensure high quality voice
- ◆ Use the advanced buffer technology to avoid the information package delay too long or lost.
- ◆ Support Network Tools that includes ping, trace route and telnet client
- ◆ Support 3 methods to configure the WAN IP: Static (static configuration for LAN), DHCP (Dynamic query through LAN) and PPPoE (Dynamic query through ADSL)
- ◆ Provide firewall control for small size of LAN port
- ◆ Provide the communication PRI available for the small LAN of LAN port
- ◆ Support Qos (802.1p) for the second Layer

Advanced Functions:

- ◆ It can register to two SIP server synchronously, one IAX2 systems and a PSTN number, it has 3 VOIP number and 1 PSTN number, that means one phone has 4 numbers
- ◆ Call waiting, call transfer, 3 ways calling, many modes call forward
- ◆ Switch outgoing call freely between VOIP and PSTN
- ◆ Incoming display, forbid call out; setup avoid-disturb, auto answer, off hook auto dial, quick dial
- ◆ Setup blacklist number and limit number
- ◆ Support point-to-point call
- ◆ Setup the end number method
- ◆ Setup fixed call method
- ◆ Support Silence Suppression, VAD (Voice Activity Detection)
- ◆ Support CNG (Comfort Noise Generation)
- ◆ Support Echo Cancellation and AGC (Automatic Gain Control)
- ◆ Support Polarity reversal
- ◆ Support VPN (L2TP), can be used in the VPN special network
- ◆ Support SIP register failure detection, offer busy tone, when the telephone is out of order
- ◆ Support line detection, busy tone when no line available

Configuration, management and maintenance:

- ◆ Support post mode and can update gateway via post mode
- ◆ Support to operate and configure the gateway by keyboard and Http mode, and support the filtration restriction on user IP address
- ◆ Support to update the software and configuration via HTTP, FTP, TFTP

- ◆ Support multi-administrator management, user name, password; Support reversal Telnet through NAT/Firewall to manage long-distance.

Main function list:

Support Protocol	SIP(RFC3261/RFC2543), IAX2	Caller ID display	Support
DHCP server/client	Support / support	3-Way Call	Support
NAT	STUN, CITRON, AVS(go through NAT)	Call Forward	Support
		Blind/attend transfer	support
POE	Non-Support	Voice Message	Non-support
PPPoE	Support	Call Recording	Non-support
RJ45	2 RJ45 10/100M, support the switch between bridge mode and route mode	Support Fax	Support G711/T38
RJ11	1RJ11 for phone, 1 RJ11 for PSTN line	DTMF Type	DTMF transmission (in& out band); SIP info, DTMF Relay, RFC2833
Route/bridge	Support/support	Voice Codec	G.711A/u,G.726, iLBC, G.729 A/B
Support multi-account	Support 2 SIP and 1 IAX2 registrations. Support 1 lifeline	Special Functions	Lifeline for PSTN, Firewall, QoS(802.1P Priority, DiffServ), VPN (L2TP), FTP remote auto Provisioning
Operate condition	Temperature: 0-40℃ Humidity: 10-65%(No dew)	Configure and upgrade	Support configure by Web, keyboard, Telnet; support upgrade the firmware by HTTP, FTP, TFTP
Weight	360g	Offer Power Supply	America &Europe Standard 100V-240V
Dimension	167mm*125mm*57mm	International Standard Certification	CE/ FCC/ RoHS
Big Package	20 PCS/carton	Accessory	Manual, RJ45 Cable, RJ11 phone line, power supply