



IAD100 T Technical Document



IAD100T Support Protocol:

- ◆ SIP(RFC3261, RFC3262, RFC3265)
- ◆ Voice Codec: G.711A/u,G.729 A/B
- ◆ G.168 echo cancellation standard, compliant 96ms echo cancellation with speaker mode
- ◆ Adjust the volume: including the input and output of the handset and free- hand.
- ◆ Jitter Buffer, VAD, SIP, Domain name register, point-to-point Call
- ◆ SRV mode: can auto-swap between main and backup server
- ◆ RTP and RTCP
- ◆ Support the Inbound/Outbound transmission ;SIP info, DTMF Relay,RFC2833
- ◆ Many countries' standard ring
- ◆ NAT transversal: Support STUN, CITRON, AVS Mode
- ◆ Support SIP domain, SIP Authentication(none,basic,MD5), Domain Name parse
- ◆ Support two SIP server synchronously, including Public Server/ Private server, can make a call by either proxy
- ◆ Support redundancy public server, can auto swap to backup server when main server has problem.
- ◆ Support SIP application, including SIP Call forward/transfer/holding/waiting.

IAD100T Network Features:

- ◆ Support two models: Bridge and Router, integrate two ports router function.
- ◆ Support basic NAT and NAT.
- ◆ Support PPPoE for xDSL, and support off hook auto dial.
- ◆ Support DHCP Client for WAN.
- ◆ Support DHCP server for LAN.
- ◆ Support DNS relay for LAN, can provide DNS service for LAN Network equipment



- ◆ Use advanced DSP tech to insure high quality voice.
- ◆ Use advanced jitter buffer tech to prevent the delaying and losing for info package.
- ◆ Support Network Tools, including ping, race route, telnet client.
- ◆ Support three modes to configure WAN port IP, they are: static, DHCP, and PPPoE
- ◆ Provide firewall control for small LAN.
- ◆ Provide optional priority level for small LAN.
- ◆ Support Secondly Layer Qos (802.1p)

IAD100T Advanced Functions:

- ◆ It can register to two SIP server synchronously and a PSTN number, it has 2 VOIP number and 1 PSTN number, that means one phone has 3 numbers.
- ◆ Call waiting, call transfer, 3 parties' talking, many modes call forward.
- ◆ Switch 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).

Item and Name	Standard Information
Power Supply Standard	Input Voltage 110-220V AC
	Output Voltage 12V DC 0.5A
Interface Introduction	WAN 1 10/100Base T RJ-45
	LAN 1 10/100Base T RJ-45
	Phone 1 RJ11 for phone
	Lifeline 1 RJ11 for Lifeline (PSTN)
Power Consumption	3.5W/1.8W
Operating Temperature	0 ~ 40 °C
Operating Humidity	5 ~ 95%
Device Dimension	120mm x 90mm x 30mm
Device Weight	320g
Authentication Information	CE 、 FCC