



# DAG1000-1S/2S Analog Telephone Adapter

## Overview

DAG1000-1S/2S is a multi-functional analog telephone adapter which offers seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. The device provides 1 or 2 FXS port(s), fax over IP and a built-in high-speed NAT router. These powerful features and good voice quality make the device ideal for various application environments such as SOHO and small enterprises and for personal use. Moreover, with automatic provisioning and centralized management system, the device is easy for maintenance and deployment.

## Pictures



DAG1000 - 1S



DAG1000 - 2S

## Key Features

- Cost-effective ATA with 1 or 2 FXS port(s)
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U, G.723.1, G.729A/B, G.726
- Fully compatible with leading IMS/NGN, SIP-based IP telephony system

## Physical Interfaces

- Capacity:  
DAG1000-1S: 1\* FXS, RJ11  
DAG1000-2S: 2\* FXS, RJ11
- Ethernet Interfaces:  
1\* WAN, 10/100Mbps, RJ-45  
1\* LAN, 10/100Mbps, RJ-45

## Voice & FAX

- G.711A/U law, G.723.1, G.729A/B, G.726
- Silence Suppression
- Comfort Noise Generation(CNG)
- Voice Activity Detection(VAD)
- Echo Cancellation(G.168), with up to 128ms
- Adaptive (Dynamic) Jitter Buffer
- Hook Flash
- Programmable Gain Control
- T.38/Pass-through
- Modem/POS
- DTMF modes: SIP Info/RFC2833/Inband
- VLAN 802.1P/802.1Q (voice/data/management VLANs)
- Layer3 QoS and DiffServ

## Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE/IPV4/IPV6
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation

## FXS

- Connector: RJ11
- Reversed Polarity
- Max Cable Length: 3Km
- Pulse: 10 and 20 PPS
- Dial Mode: DTMF and Pulse
- Caller ID: DTMF/FSK CLI Presentation
- Programmable Call Progress Tone

## Supplement Service

- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Forward on Busy
- Call Forward on No Reply
- Unconditional Call Forward
- Warm/Immediately Hotline
- Call Hold
- Do-not-disturb
- 3-Way Conference
- Message Waiting Indicator
- Speed Dial

## Environmental

- **Power Supply:**  
100-240VAC, 50-60 Hz@DC12V 1A
- Power Consumption: <5W
- Operating Temperature: 0 °C ~ 45 °C
- Storage Temperature: -20 °C ~80 °C
- Humidity: 10%-90% Non-Condensing
- Dimensions(W/D/H): 126\*76\*25mm
- Unit Weight: <=0.2kg

## VoIP

- **Protocol:** SIP v2.0 (UDP/TCP), RFC3261,SDP(RFC2327),RTP(RFC2833), RFC3262, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311 ETC (3GPP TS24.629), RFC3891, RFC3892
- RTP/RTCP, RFC2198, RFC1889
- SIP TLS/SRTP
- RFC4028 Session Timer
- RFC3266 IPv6 in SDP
- RFC2806 TEL URI
- RFC3581 NAT, rport
- Primary/Backup SIP Server
- Outbound Proxy
- DNS SRV/ A Query/NATPR Query
- Early Media/Early Answer
- NAT:STUN, Static/Dynamic NAT

## Maintenance

- SNMP v1/v2/v3
- TR069, TR181
- Auto Provisioning
- Web/Telnet
- Configuration Backup/Restore
- Firmware Upgrade via Web
- CDR
- Syslog(Emerg,alert, critical,error warning,notice,info, debug)
- Ping/Tracert Test
- Network Capture
- Outward Test(GR909)
- NTP/Daylight Saving Time
- IVR local Maintenance
- Cloud-based Management

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### About Us

Founded in 2011 in Shenzhen, DINSTAR is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs, IP Phones and SBCs, we have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now DINSTAR serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.