



# 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

Console: N/A

## 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

High speed fax up to 14.4kbps

Modem/POS

DTMF modes: SIP Info/RFC2833/Inband

VLAN 802.1P/802.1Q

(voice/data/management VLANs)

Layer3 QoS and DiffServ

## 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

## FXS

Connector: RJ11

Dial Mode: DTMF and Pulse

Pulse: 10 and 20 PPS

Caller ID: DTMF/FSK CLI Presentation

Max Cable Length: 3Km

Reversed Polarity

Programmable Call Progress Tone

## Software Features

Hunting Group

Web ACL

Telnet ACL

Action URL

PPPoE/IPv4/IPv6

Digitmap

Bandwidth Optimization

Routing Rules based Prefixes

Caller/Called Number Manipulation

## Maintenance

SNMP v1/v2/v3

TR069

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

## VoIP

### Protocol:

SIP v2.0 (UDP/TCP),RFC3261

SDP,RTP(RFC2833), RFC3262,  
3263,3264,3265,3515,2976,3311

RTP/RTCP, RFC2198, 1889

SIP over TLS

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

SIP Trunk

Early Media/Early Answer

NAT:STUN, Static/Dynamic NAT

## 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

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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.