

# DAG2500 FXS Analog VoIP Gateway

## Overview

DAG2500 is a functional analog gateway offering seamless connectivity between VoIP and traditional phone system. It's a highly-integrated gateway which provides 72 FXS ports with standard R21 interface in 1U size. Users can easily connect their analog phone, fax, PBX via standard voice interface.

DAG2500 supports the standard SIP protocol and it's compatible with leading IMS/NGN platform and SIP-based IP telephony system. It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

### DAG2500



## Key Features

- High density gateway, 72 FXS in 1U size
- Open-standard SIP support
- Support IPv4 and IPv6
- 5KM Maximum Cabling Length
- Multiple codecs: G.711A/U, G.723.1, G.729A/B, iLBC
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

## Physical Interfaces

### Phone Connector

72 FXS with RJ21, 50 PIN

### Console:

1\* RS232, 115200bps

### Network Interfaces:

2\* 10/100 BaseT

## Voice & FAX

G.711A/U law, G.723.1, G.729A/B,  
G.726,iLBC

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 mode: Signal/RFC2833/INBAND

VLAN 802.1P/802.1Q

Layer3 QoS and DiffServ

## Supplement Service

Call Waiting

Blind Transfer

Attend Transfer

Call Pickup

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: RJ21

Dial Mode: DTMF and Pulse

Pulse: 10 and 20 PPS

Caller ID: DTMF/FSK CLI Presentation

Max Cable Length: 5KM

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

TR069

Auto Provisioning

Web/Telnet

Configuration Backup/Restore

Firmware Upgrade via Web

CDR

Syslog

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

SIP TLS

RTP/RTCP,RFC2198, 1889

RFC4028 Session Timer

RFC3266 IPv6 in SDP

RFC2806 TEL URI

RFC3581 NAT,rport

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

Power Consumption:75W

Operating Temperature:0 °C ~ 45 °C

Storage Temperature: -20 °C ~80 °C

Humidity:10%-90% Non-Condensing

Dimensions(W/D/H):

440\*280\*44mm(1U)

Unit Weight: 4.0kg

Compliance: CE, FCC

## Shenzhen Dinstar Co.,Ltd.

Floor 18, Building 7A, Vanke Cloud City Phase  
1, Xingke 1st Street, Xili Sub-district, Nanshan  
District, Shenzhen, P.R. China 518000

www.dinstar.com  
sales@dinstar.com

**DINSTAR**

## 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.