



# DAG2000-160 FXO Analog VoIP Gateway

## Overview

DAG2000-160 is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), and PBX systems. The device offers 16 FXO ports, which is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

DAG2000-160 supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.

## Key Features

- Cost effective gateway with 16 FXO ports
- 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 etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

**UC2000-160**



## Physical Interfaces

**Capacity:** 16\* FXO, RJ11

### Ethernet Interfaces:

4\* LAN, 10/100Mbps, RJ-45

**Console:** 1\*RS232, 115200bps

## FXO

Connector: RJ11

Dial Mode: DTMF/Pulse Dialing

Caller ID: FSK, DTMF

Polarity Reversal

Answer Delay

Busy Tone Detection

No Current Detection

## Voice & FAX

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

Silence Suppression

Comfort Noise Generation(CNG)

Voice Activity Detection(VAD)

Echo Cancellation(G.168), with up to 128ms

Adaptive (Dynamic) Jitter Buffer

Programmable Gain Control

T.38/Pass-through

Modem/POS

DTMF mode: Signal/RFC2833/INBAND

VLAN 802.1P/802.1Q

Layer3 QoS and DiffServ

## VoIP

### Protocol:

SIP v2.0 (UDP/TCP),RFC3261

SDP,RTP(RFC2833), RFC3262,

3263,3264,3265,3515,2976,3311

SIP TLS/SRTP

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

## Maintenance

SNMP v1/v2/v3

TR069

Auto Provisioning

Web/Telnet

Configuration Backup/Restore

Firmware Upgrade via Web

CDR

Syslog

Network Capture

NTP/Daylight Saving Time

IVR local Maintenance

Cloud-based Management

## Network

Static/Dynamic IP,

PPPoE

DHCP Client

IPv4/IPv6

TCP, UDP,TFTP, FTP, ARP,RARP,

Ping, NTP, SNTP, HTTP/HTTPS, DNS

Ping / Tracert

DHCP Option 66,120,121

## Software Features

Port Group

Web ACL

Telnet ACL

Action URL

Digitmap

Routing Rules based Prefixes

Caller/Called Number

Manipulation

## Environmental

Power Supply: 100-240VAC, 50-60 Hz

Power Consumption:30W(Typical)

Operating Temperature:0 °C ~ 45 °C

Storage Temperature: -20 °C ~80 °C

Humidity:10%-90% Non-Condensing

Dimensions(W/D/H): 440\*230\*44mm

Unit Weight: 2.7kg

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.