

DAG3000-32S/O FXO Analog VoIP Gateway

Overview

DAG3000-32S/O is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. It adopts modularized hardware design that allows to expand FXS/FXO ports by adding boards according to user's requirements. Each board has 8 FXS/FXO ports, and the gateway supports 32 FXS/FXO ports at maximum.

DAG3000-32S/O supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP-based IP telephony systems. Which is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

Key Features

- Cost effective gateway with 32 FXS/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

DAG3000-32S/O



Physical Interfaces

Capacity

Range from 8 to 32 FXO/FXS
Support 4 user board slots

User Board

2* RJ45 connectors with 8 FXO
2* RJ45 connectors with 8 FXS

MCU Board

1*RS232, 115200bps
2*10/100/1000Mbps, RJ45

Voice & FAX

G.711A/U law, G.723.1, G.729A/B, AMR,
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
Programmable Gain Control
T.38/Pass-through
Modem/POS
DTMF mode: Signal/RFC2833/INBAND
VLAN 802.1P/802.1Q
Layer3 QoS and DiffServ

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

FXO

Connector: RJ45 with 4 FXO
Dial Mode: DTMF/Pulse Dialing
Caller ID: FSK, DTMF
Polarity Reversal
Answer Delay
Busy Tone Detection
No Current Detection

FXS

Connector: RJ45 with 4 FXS
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

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:20W(Typical)
Operating Temperature:0 °C ~ 45 °C
Storage Temperature: -20 °C ~80 °C
Humidity:10%-90% Non-Condensing
Dimensions(W/D/H): 437*330*44mm
Unit Weight: 3.6kg

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

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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.