

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.

DAG3000-32S/O



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

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
- OpenVPN

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
- Speed Dial

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, TR181
- 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.