

DAG3000 Analog VoIP Gateway

Overview

DAG3000 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 128 FXS/FXO ports at maximum.

DAG3000-128S/O



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

Key Features

- High density gateway, up to 128 FXS/FXO
- Modularized design, easy to expand
- 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

Capacity

- Range from 8 to 128 FXS/FXO
- Support 16 user board slots

User Board

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

MCU Board

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

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 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
- Speed Dial

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

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

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE/IPv4/IPv6
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation
- OpenVPN

Environmental

- 1+1 Power Supply:
 - 100-240VAC, 50-60 Hz
- Power Consumption:105W MAX
- Operating Temperature:0 °C ~ 45 °C
- Storage Temperature: -20 °C ~80 °C
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H):
 - 440*300*135mm(3U)
- Unit Weight: 9.3kg
- Compliance: CE, FCC

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

Maintenance

- SNMP
- TR069, TR181
- 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

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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.