



DAG1000-4S FXS Analog VoIP Gateway

Overview

DAG1000-4S is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. The device offers 4 FXS ports, fax over IP and flexible dial plans. It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

DAG1000-4S 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 4 FXS 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, iLBC
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

DAG1000-4S



Physical Interfaces

- **Capacity**
4 FXS, RJ11
- **Ethernet Interfaces:**
1* WAN, 10/100Mbps, RJ-45
1* LAN, 10/100Mbps, RJ-45

Voice & FAX

- Hook Flash
- Modem/POS
- T.38/Pass-through
- 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
- High speed fax up to 14.4kbps
- VLAN 802.1P/802.1Q
(Voice/data/management VLANs)
- Layer3 QoS and DiffServ
- Audio Codecs: G.711A/U law, G.723.1, G.729A/B, G.726, iLBC, AMR
- DTMF mode: Signal/RFC2833/INBAND

Supplement Service

- Call Hold
- Speed Dial
- Do-not-disturb
- 3-Way Conference
- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Forward on Busy
- Call Forward on No Reply
- Unconditional Call Forward
- Warm/Immediately Hotline
- Message Waiting Indicator

FXS

- Connector: RJ11
- Reversed Polarity
- Dial Mode: DTMF and Pulse
- Pulse: 10 and 20 PPS
- Caller ID: DTMF/FSK CLI Presentation
- Max Cable Length: 3KM
- Programmable Call Progress Tone

Software Features

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

Maintenance

- CDR
- Web/Telnet
- SNMP v1/v2/v3
- TR069, TR181
- Auto Provisioning
- Configuration Backup/Restore
- Firmware Upgrade via Web
- Syslog(Emerg,alert, critical,error warning,notice,info, debug)
- Ping/Tracer 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, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311
- ETC (3GPP TS24.629), RFC3891, RFC3892
- SIP over TLS
- RTP/SRTP/RTCP, RFC2198, RFC1889
- RFC4028 Session Timer
- RFC3266 IPv6 in SDP
- RFC2806 TEL URI
- RFC3581 NAT,rport
- Primary/backup SIP server
- Outbound Proxy
- DNS SRV/ A Query/NATPR Query
- Early Media/Early Answer
- NAT: STUN, Static/Dynamic NAT

Environmental

- Power Supply:
100-240VAC, 50-60 Hz@DC12V 1A
- Power Consumption:5W(Typical)
- Storage Temperature: -20 °C ~80 °C
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H): 140*86*25mm
- Unit Weight: 0.2kg
- Compliance: CE, FCC

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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.