



DAG2000-16S FXS Analog VoIP Gateway

Overview

DAG2000-16S 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 16 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.

DAG2000-16S supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.

DAG2000-16S



Key Features

- Cost effective gateway with 16 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, AMR, G.726 etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

Physical Interfaces

Capacity

16 FXS, RJ11
1*RJ21, 50 PIN

Ethernet Interfaces:

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

Console:

1*RS232, 115200bps

Voice & FAX

G.711A/U law, G.723.1, G.729A/B,
G.726, AMR, 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
High speed fax up to 14.4kbps
Modem/POS
DTMF mode: Signal/RFC2833/INBAND
VLAN 802.1P/802.1Q
(voice/data/management VLANs)
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

FXS

Connector: RJ11&RJ21
Dial Mode: DTMF and Pulse
Pulse: 10 and 20 PPS
Caller ID: DTMF/FSK CLI Presentation
Max Cable Length: 5 km
Reversed Polarity
Programmable Call Progress Tone

Software Features

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

Maintenance

SNMP v1/v2/v3
TR069
Auto Provisioning
Web/Telnet
Configuration Backup/Restore
Firmware Upgrade via Web
CDR
Syslog(Emerg,alert, critical,error
warning,notice,info, debug)
Ping/Tracert 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,
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
Primary/backup SIP server
Outbound Proxy
DNS SRV/ A Query/NATPR Query
SIP Trunk
Early Media/Early Answer
NAT:STUN, Static/Dynamic NAT

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

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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.