DAG1000-8S FXS Analog VoIP Gateway

Overview

DAG1000-8S 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 8 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.

DAG1000-8S 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 8 FXS ports
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Elastix/Broadsoft Certification
- 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

Honesty Concentration

Physical Interfaces

- **Capacity**
  8 FXS, RJ11
- **Ethernet Interfaces:**
  1* WAN, 10/100Mbps, RJ-45
  3* LAN, 10/100Mbps, RJ-45
- **Console**
  N/A

FXS

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

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
- Modem/POS
- DTMF mode:
  Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q
- Layer3 QoS and DiffServ
- MOS: 4.192 (G.711 Codec)

VoIP

- Protocol: SIP v2.0 (UDP/TCP),RFC3261
  SDP,RTP(RFC2833), RFC3262,
  3263,3264,3265,3515,2976,3311
- RTP/RTCP, RFC2198, 1889
- SIP TLS/SRTP
- RFC4028 Session Timer
- 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

Supplementary 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

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(tftp,http,https)
- HTTP/HTTPS 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

Environmental

- Power Supply:
  100-240VAC, 50-60 Hz@DC12V 2A
- Power Consumption:18W(Typical)
- Operating Temperature:0 ℃ ~ 45 ℃
  Storage Temperature: -20 ℃ ~80 ℃
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H): 240*154*37mm
- Unit Weight: 1kg
- Compliance: CE, FCC

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