



DAG2000-24/32S FXS Analog VoIP Gateway

Overview



DAG2000-24/32S is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. With the standard RJ11 and RJ21 interfaces, the device offers 24/32 FXS ports. It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.



DAG2000-24/32S 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 24/32 FXS ports
- Fax over IP (T.38 compliant Group 3 Fax Relay up to 14.4kbps and auto-switch to G.711 for Fax, Pass-Through , Fax data pump V.17, V.21, V.27ter, V.29 for T.38 fax relay)
- 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**
32 FXS with RJ11
2*RJ21, 50 PIN
- **Ethernet Interfaces:**
4* LAN, 10/100Mbps, RJ-45
- **Console**
1*RS232, 115200bps

FXS

- Connector: RJ11 and RJ21
- 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

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

VoIP

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

Innovation Open-mind

Supplementary Service

- Call Waiting, Call Hold
- Blind Transfer, Attend Transfer
- Call Forward on Busy/No Reply/Unconditional
- Warm/Immediately Hotline
- Do-not-disturb, MWI
- 3-Way Conference

Software Features

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

Network Features

- Network Protocol:
TCP/UDP, RTP/RTCP,
HTTP/HTTPS,
ARP, ICMP, DNS, DHCP, NTP,
TFTP, TELNET, PPPoE, STUN,
Static/dynamic ARP
- IPv4/IPv6, static/dynamic IP
- DHCP Client/PPPoE

Maintenance

- SNMP v1/v2/v3
- TR069
- Auto Provisioning TFTP, 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
- Power Consumption:40W(Typical)
- Operating Temperature:0 °C ~ 45 °C
Storage Temperature: -20 °C ~80 °C
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H): 440*250*44mm
- Unit Weight: 3.2kg
- Compliance: CE, FCC