

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.

Key Features

- Cost effective gateway with 16 FXS ports
- Fax over IP (T.38 compliant Group 3 Fax Relay up to 14.4kpbs 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**
16 FXS, RJ11
- **Ethernet Interfaces:**
4* LAN, 10/100Mbps, RJ-45
- **Console**
1*RS232, 115200bps

FXS

- Connector: RJ11
- 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

Voice & FAX

- G.711A/U law (V17, V21, V 27 ter, V29), 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

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: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
- UL certificated
- Compliance: CE, FCC