



## DAG2000-16O FXO Analog VoIP Gateway

### Overview

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DAG2000-16O is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), and PBX systems. The device offers 16 FXO ports, which is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

DAG2000-16O 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 FXO 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 etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

# Honesty Concentration

## Physical Interfaces

- **Capacity**  
16\* FXO, RJ11
- **Ethernet Interfaces:**  
4\* LAN, 10/100Mbps, RJ-45
- **Console**  
1\*RS232, 115200bps

## Voice & FAX

- G.711A/U law, G.723.1, G.729A/B,
- 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
- T.38/Pass-through
- Modem/POS
- DTMF mode:  
Signal/RFC2833/INBAND
- VLAN 802.1P/802.1Q
- Layer3 QoS and DiffServ

## FXO

- Connector: RJ11
- Dial Mode: DTMF/Pulse Dialing
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection
- No Current Detection

## VoIP

- Protocol: 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

## Network Features

- Static/Dynamic IP,
- PPPoE
- DHCP Client
- IPv4/IPv6
- TCP, UDP, TFTP, FTP, ARP, RARP, Ping, NTP, SNTP, HTTP/HTTPS, DNS
- Ping / Tracert
- DHCP Option 66, 120, 121

## Maintenance

- SNMP v1/v2/v3
- TR069
- Auto Provisioning
- Web/Telnet
- Configuration Backup/Restore
- Firmware Upgrade via Web
- CDR
- Syslog
- Network Capture
- NTP/Daylight Saving Time
- IVR local Maintenance
- Cloud-based Management

## Software Features

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

## 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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