



## DAG2500 FXS VoIP Analog Access Gateway

DAG2500 is a functional analog gateway offering seamless connectivity between VoIP and traditional phone system. It's a highly-integrated gateway which provides 48 / 64 / 72 FXS ports with standard R21 interface in 1U size. Users can easily connect their analog phone, fax, PBX via standard voice interface. DAG2500 supports the standard SIP protocol and it's compatible with leading IMS/NGN platform and SIP-based IP telephony system.

It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

### Product Picture



### Key Features

- High density gateway, 72 FXS in 1U size
- 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)
- Open-standard SIP support
- Support IPv4 and IPv6
- 5KM Maximum Cabling Length
- Elastix/Broadsoft Certification
- Multiple codecs: G.711A/U,G.723.1,G.729A/B, iLBC, AMR
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

# Honesty Concentration

## Physical Interfaces

- **Phone Connector**  
72 FXS with RJ21, 50 PIN
- **Console**  
1\* RS232, 115200bps
- **SFP**  
N/A, Reserve
- **Network Interface**  
2\* 10/100 BaseT

## FXS

- Connector: RJ21
- 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/E, G.726( 40/32/24/16),iLBC,AMR
- 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
- PPPoE/IPv4/IPv6
- Digitmap
- Bandwidth Optimization
- 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:75W
- Operating Temperature:0 °C ~ 45 °C  
Storage Temperature: -20 °C ~80 °C
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H): 440\*280\*44mm(1U)
- Unit Weight: 4.0kg
- UL certificated
- Compliance: CE, FCC