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 up to 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, 48/64/72 FXS in 1U size
- 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 3* RJ21, 50 PIN

  64 FXS with 3* RJ21, 50 PIN

  48 FXS with 2* RJ21, 50 PIN
- **Console**

  1* RS232, 115200bps
- **SFP** N/A, Reserve
- **Network Interface**

  2* 10/100/1000 Base-T

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
- Internal Call

Voice & FAX

- G.711A/U law, G.723.1,

  G.729A/B,G.726,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: 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
- 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
- Blind Transfer
- Attend Transfer
- Call Pickup
- 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

Network Features

- Network Protocol:

TCP, UDP,TFTP/FTP,ARP/RARP,

ICMP Ping, NTP/ SNTP, HTTP/HTTPS

Static/dynamic ARP

- IPv4/IPv6, static/dynamic IP
- DHCP Client/PPPoE

Maintenance

- SNMP v1/v2/v3
- TR069
- Auto Provisioning
- 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:

   DAG2500-48S: 64W

   DAG2500-64S: 72W

   DAG2500-72S: 75W
- Operating Temperature:0 ℃ ~ 45 ℃

   Storage Temperature: -20 ℃ ~80 ℃
- Humidity:10%-90% Non-Condensing
- Dimensions(W/D/H): 440*280*44mm(1U)
- Unit Weight: 4.0kg
- Compliance: CE, FCC