

## DAG1000-4/8/16FXO ATA Gateway Feature List V2.0

Specifications	DAG1000-4/8/16FXO ATA Gateway
<b>General Information</b>	
Product Type	SIP VOIP access gateway
Product Model	DAG1000-4/8/16FXO
Market Target	Apply to operators and call center. Both low-cost VoIP service while preserving the traditional PSTN network
Performance	Stable high-definition voice quality
Release Date	22/03/2012
Current Software Version	V2.11.05.01
Current Hardware Version	PCB 24.1
<b>LEDs Indicator</b>	
PWR	Indicating the status of system power
RUN	Indicating the running status of device
WAN	Indicating WAN port activity
LAN	Indicating PC&LAN port activity
FXS	Indicating the status of the respective FXS ports on the back
Link	Indicating the status of the network connection
Speed	Indicating network bandwidth, 10Mbps/100Mbps
<b>Ethernet Interface</b>	
Number of interface	4* 10/100 BASE-TX (RJ-45)
Auto adapted	Supported
Automatic flip	Supported
<b>FXS/FXO Interface</b>	
Number of Interfaces	4/8/16*FXO
Transmission distance	1km
Charging mode	Anti-polar signal
One Stage Dialing	Supported
Detect CID	Supported
FXO keep onhook until callee answered	Supported
Onhook conditions config	Supported
Answer conditions config	Supported
DC/AC impedance config	Supported
<b>Signals &amp; Protocols</b>	
<b>SIP Signaling</b>	
Protocols compliant	SIP V1.0/2.0 and RFC3261
Authentication	Supported
SIP encryption	Supported
<b>Voice &amp; FAX</b>	
G.723.1	Supported
G.729	Supported
PCM A/U	Supported
DTMF mode	RFC2833, SIP INFO and INBAND
FAX over IP	T.38/ Pass-Through/Modem, baud rate:14.4kbps
<b>Trunk Features</b>	

Call forwarding	Supported
Call hold	Supported
DND	Supported
Direct IP address call	Supported
Caller ID	Time-Based service
PPPoE	Supported
Busy Tone	Supported
PSTN & VoIP routing	Users can set up routing to go PSTN or IP
Feature Code	Support 26 function keys
<b>Network Features</b>	
Network protocol	TCP/UDP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET and STUN
Static IP	Supported
DNS	Supported
NAT	STUN
Static and dynamic ARP	Supported
VLAN	Data, Voice, Management
Qos	Tos / DSCP to ensure voice quality, data, management information transmission
DHCP Server	Supported
DHCP Client	Supported
Routing & number manipulation	Maximum 32
<b>Security &amp; Reliability</b>	
Admin management	Administrator authentication by username and password
<b>Maintenance &amp; Upgrade</b>	
Web configuration	Supported
Telnet configuration	Supported
Support languages	English and Chinese
Firmware upgrade	TFTP and Web
Syslog type	ERROR,NONE,DEBUG,NOTICE,WARNING
CDR	Output CDR by Syslog
Follow-up testing	Ping and tracer on web
<b>Compatibility</b>	
Tested platforms	Work well with softswitch providers such as Huawei soft X3000, ZTE ZXSS10, Cisco, Alcatel, Lucent, S12.
<b>Mechanical</b>	
Dimension (W*D*H) (mm)	4/8FXO 242*152*40mm 16FXO 442*282*44mm
Net weight	4/8FXO 1kg 16FXO 3.0kg
<b>Powering</b>	
Power input	100-240VAC,1.2A, 50-60MHz
Output	4FXO output: 12VDC,1A 8FXO output:12VDC,2A 16FXO optput:110-240VAC, 0.5A
Grounding	GND < 1Ω
Max power consumption	4FXO 12W ,8FXO 20W,16FXO 48W
<b>Environment-EMC</b>	
Operational	32 ~ 104F / 0 ~ 40°C
Storage	-4 ~ 176F /-20 ~ 80°C
Humidity	10%~90%, no condensation

Fixed use of the environment	EN 300 019: Class 3.1
Storage environment	EN 300 019: Class 1.2
Transport Environment	EN 300 019: Class 2.3
Noise	EN 300 753: Work in data center
EMC	FCC Part 15 Class B; CE EMC directive 2004/108/EC: EN55022 : 2006+A1 : 2007 , EN61000-3-2 : 2006 EN61000-3-3 : 1995+A1 : 2001+A2 : 2005 , EN55024 : 1998+A1 : 2001+A2 : 2003
Safety	CE LVD EN60950-1 : 2006
Certifications	FCC and CE