DAG Series Analogy Gateway Data Sheet

DAG series is a versatile IP-based voice and fax gateway, it is highly integrated router, NAT, DHCP server, phone gateway functionality. Market-leading voice quality, rich functionality, and lightweight, compact design. DAG series is fully compatible with SIP industry standard, can be achieved with many other SIP compliant devices and software interoperability. In addition, it supports including PCMA / U, G.723.1 and G.729AB voice codec.

- 1/2FXS/4FXS/4FXO,8FXS/8FXO,16FXS/16FXO multiple interfaces

- Standard SIP V2.0, MGCP V1.0(optional) protocols

- Standard G.723.1,G.729A/B, G.168, PCM A/U code

- Call forwarding, Call hold, Caller ID, DND standard voice service

- Busy tone, Power-down protection , Fault identification

- Many users sharing ADSL lines

Carrier and enterprise-class devices, both low-cost VoIP service while preserving the traditional PSTN network. Especially for new VoIP and traditional PSTN operators to seize market operators.

DAG series can be with the mainstream SIP proxy server(such as Asterisk, SIP registration server, etc.) to implement docking. In this kind of environment, SIP server processing SIP registration and call control, DAG series access gateway can realize flow media conversion between the IP and PSTN.

FEATURES AND BENEFITS

Multiple FXS/FXO ports
DAG series offer many kinds of different interface number equipments: 1/2/4/8/16*FXS/4/8/16FXO. 2/4 network interfaces option.

Full-features to meet customer's requirements:
Supporting many applications such as call forwarding, caller ID, DND, busy tone and conference with IPPBX.

Be easy to configure and maintain:
Customer can access GUI of DAG series or command line by http or telnet. With rich tools, customers can easily manage the system, And is specifically designed to be an easy to use and affordable VoIP solution for both the residential user and the residential user and the tele-worker.

Security and reliability
Administrator authentication mechanism is used to ensure that information and data security.

Protocols supported
DAG series support MGCP V1.0 (optional)and SIP 1.0/2.0.

More options available
It supports 1/2/4/8/16*FXS/4/8/16*FXO interfaces, and is capable to work well with mainstream softswitch providers.

Good quality and design
8 years mature hardware and software, large scale application, China R&D and manufacturing cost, make it cost-effective choice for customers all over the world.

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SPECIFICATIONS

PHYSICAL INTERFACES

PSTN Interface	FXS/FXO
Network Interface	DAG1000(4FXS/FXO) :3LAN,1WAN DAG1000(8FXS/FXO) :3LAN,1WAN DAG2000(16FXS/FXO) :4LAN

SIGNALLING & PROTOCOLS

MGCP	MGCP V1.0, RFC2705
SIP	RFC3261 - Session Initiation Protocol

VOICE & FAX

Voice over Packet Capabilities	VAD, CNG, DJB and PLC
Voice Codec	G.723.1, G.729A/B, G.168 and PCMA/PCMU
Fax standard	T.38/pass through baud rate:1.44kbps

IP CONNECTIVITY

IP Transport	TCP/UDP, ARP/RARP, NTP, DNS, TFTP, HTTP, TELNET, ICMP and STUN
Others	PPPoE dial-up, DHCP Client and VLAN

MANAGEMENT

Firmware Update	TFTP, FTP and WEB
Monitoring tools	Configuration & Monitoring via WEB, SSH and Telnet
Backup & upload	Update & backup via http
System log	RFC5424. debug level: DEBUG, NOTICE, WARNING and ERROR

ABOUT DINSTAR

DINSTAR Technologies Co., Ltd. is a hi-tech enterprise specializing in VoIP solutions and IP voice value-added services. It is an IP voice product and system manufacturer with the leading market scale in China and with the most complete product lines in this industry.

DINSTAR has a professional and high-quality R&D team made up of lots of experts who are experienced in telecom network, data communication, mobile communication, and network integration. DINSTAR former team was granted the 'Hi-tech Enterprise Certification of Guangdong Province' in 2003, the 'Software Enterprise Certification' of Shenzhen in 2004, and the 'Hi-tech Enterprise Certification' of Shenzhen in 2005. DINSTAR has set up over 20 offices in Mainland China and a subsidiary in Hong Kong. Its business spreads over five continents in the world.

DINSTAR's products include DAG series gateways, DWG GSM/CDMA VoIP gateway/SIM channels, MTG SS7/PRI trunk gateway, softswitch systems and billing management systems.

Since the establishment, DINSTAR has been dedicated in making use of innovative technology and service to create values for customers and help individuals, enterprises, and governmental institutions to grow up. In the future, DINSTAR will continually to support our customers and keep the innovative spirit to be an global leader in VoIP area.

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PHYSICAL

Power	DAG1000(1FXS):12VDC,1A, DAG1000(2FXS):12VDC,1A, DAG1000(4FXS/4FXO): 12VDC,1A, DAG1000(8FXS/8FXO): 12VDC,2A, DAG2000(16FXS/16FXO):110~240VAC,50~60HZ,0.4A MAX
Environmental	Operational: 32～104F / 0～40℃ Storage: -4～176F /-20～80℃ Humidity: 10%-90%,no-condensing
Weight	DAG1000(1FXS):0.1kg, DAG1000(2FXS):0.25kg, DAG1000(4FXO/8FXS/8FXO):1kg, DAG2000(16FXS/16FXO):3.05kg
Dimension (WxDxH)	DAG1000(1FXS):100*68*24, DAG1000(2FXS):160*110*30, DAG1000(4FXS):195*133*35,DAG1000(4FXO/8FXS/8FXO):240*150*35,DAG2000(16FXS/FXO):440*280*43

REGULATORY COMPLIANCE

Certification	CE and FCC
Safety and EMC	CE LVD EN60950-1: 2006 FCC part 15 Class B CE Mark (EN55022 Class B, EN60950, EN55024, EN300 386)

DINSTAR NGN Products

- ☐ IP Phone
- ☐ Analog VoIP Gateway (FXS/FXO)
- ☐ GSM/CDMA/WCDMA VoIP Gateway
- ☐ NGN Softswitch
- ☐ NMS & Billing System
- ☐ E1/T1 Trunk Gateway

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DIAGRAM