



24 FXS Gateway

FAG3124

FIBERME FAG3124 Analog Gateway converts analog PSTN messages into a format suitable for transmission over standard IP networks. The device comes with 24 FXS ports, ideally suited for small and medium businesses, call centers, and office businesses. FAG3124 supports the standard SIP protocol and is compatible with leading SIP-based IP telephony systems.

- Cost effective gateway with 24 FXS ports
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U, G.723.1, G.729A/B, AMR, etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

Fit to Diverse Applications

Used to connect IP telephones to a legacy PBX, integrate network-hosted applications with the PBX, extend the PBX to branch offices, and integrate various voice and call processing capabilities in an enterprise LAN or WAN environment.

Flexible Call Routing

Calls from the switched network to a VoIP destination on the IP network or conversely, and support the following call routing options: TDM to IP or IP to TDM, with IP load balancing, IP fault tolerance

Controlled Migration to IP

Compatible with general FXS lines, and a variety of popular PBX manufacturers and protects investment in legacy telecommunications equipment.

User-Friendly Management

Supports configuration via serial, Telnet, and a web browser including context-sensitive help.

Easy to install, configure, debug, and maintain.

Enhanced Voice/Fax Processing

Supports a variety of compression algorithms, including G.711 A-law and μ -law, G.729A/B; Transcode fax from T.30 fax protocol (supporting V.17) to T.38 for transmission over a packet network.

Web Server Interface & Hot Swap

Each gateway unit is delivered with a web server interface, allowing configuration and software upgrades via a web browser; Allows gateway units to be added or removed without affecting other gateway.

Capacity	24 FXS Ports with RJ11, and RJ21
Ethernet Interfaces	4x Gigabit LAN Ports, RJ45
Console Port	1x RS232, 115200bps
Voice and Fax	<ul style="list-style-type: none"> • G.711A/U law, G.723.1, G.729 A/B, AMR,iLBC • 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 • High-speed fax up to 14.4kbps Modem/POS • DTMF mode: Signal/RFC2833/INBAND • VLAN 802.1P/802.1Q • (data/voice/management VLANs) Layer3 QoS and DiffServ
FXS Connector	<ul style="list-style-type: none"> • RJ11, RJ21 • Dial Mode: DTMF and Pulse • Caller ID: DTMF/FSK CLI Presentation Max Cable Length: 5 km • Reversed Polarity • Programmable Call Progress Tone
Software Features	<ul style="list-style-type: none"> • Hunting Group Web ACL • PPPoE/IPv4/IPv6 • Digitmap • Routing Rules based Prefixes Caller/Called Number Manipulation
Maintenance	<ul style="list-style-type: none"> • SNMP v1/v2/v3 • TR069 • Auto Provisioning Web/Telnet • Configuration Backup/Restore • Firmware Upgrade via Web CDR • Syslog(Emerg,alert, critical,error warning,notice,info, debug) • Ping/Tracert Test Network Capture • NTP/Daylight Saving Time
VoIP Protocols	<ul style="list-style-type: none"> • SIP v2.0 (UDP/TCP),RFC3261 SDP,RTP(RFC2833), RFC3262, 3263,3264,3265,3515,2976,3311 • SIP TLS/SRTP • RTP/RTCP, RFC2198, 1889 • RFC4028 Session Timer • DNS SRV/ A Query • SIP Trunk • Early Media/Early Answer • NAT:STUN, Static/Dynamic NAT
Power Supply	100-240VAC, 50-60 Hz Power
Storage Temperature	20 °C ~85 °C
Humidity	10%-90% Non-Condensing



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