MultiVOIP® FX

SIP Gateways
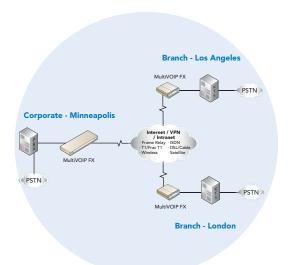
The MultiVOIP® FX SIP gateway provides toll-free voice and fax communications over the Internet or Intranet. By integrating voice and fax into your existing data network, you can realize substantial savings on inter-office long distance toll charges. The MultiVOIP FX gateway is available in 2, 4 and 8 port models. It connects directly to phones, fax machines, key systems, PSTN lines or a PBX to provide real-time, toll-quality voice connections to any office on your VOIP network. The MultiVOIP FX gateway is designed to maximize the investments you've already made in your data and voice network infrastructure.

Features

- 2, 4, or 8 ports for communication over an existing IP network or the Internet
- Ethernet connectivity and full IP compatibility with existing routers and WAN infrastructure
- Supports FXS/FXO on each channel for direct analog connection to phones, key telephones, PBX extensions, PSTN lines or PBX trunks
- Supports SIP for sending voice over the Internet
- Voice compression to 5.3K bps per call with support for multiple algorithms including ITU G.723 and G.729
- VAD and CNG support
- QoS via DiffServe or 802.1p
- PSTN failover automatically routes calls over the PSTN network if the IP network is down
- Supports SIP supplementary services including call forward, call transfer and call hold
- T.38 real-time fax relay for interoperability among other VOIP equipment
- Configuration and management using a Web browser or Windows
- Two-year warranty

Branch - Los Angeles

MultiVOIP FX

PSTN

Corporate - Minneapolis

Internet / VPN / Intranet
· Frame Relay · ISDN
· T1/Frac T1 · DSL/Cable
· Wireless · Satellite

MultiVOIP FX

PSTN

PSTN

MultiVOIP FX

Branch - London

MultiTech®
Systems

Highlights

Toll Bypass Long Distance Calling. The MultiVOIP FX gateway is targeted at multi-location businesses looking to reduce toll charges between frequently called sites. Typically inter-office calling represents 25-40% of a company's total long distance bill. To bypass these charges, each office installs and configures a MultiVOIP FX gateway on their network and connects it to their existing phone equipment to place calls, send faxes or make modem connections to the other offices on the VOIP network.

Off-net Calling. Telecommuters or customers off the IP network can make free long distance calls by dialing into a local MultiVOIP FX gateway and placing toll-free calls to any location on the VOIP network. You can even have a MultiVOIP FX gateway at a remote site dial a local phone number for a free person-to-person long distance call.

Off-premise Voice Extensions. The MultiVOIP FX gateway extends the reach of a company's PBX into remote office/SOHO locations without installing another PBX. Now, anyone can place calls to the remote office by simply dialing an extension number. With support for SIP supplementary services, the MultiVOIP FX gateway provides for call transfer, call forwarding and call hold.

Bandwidth Management. Bandwidth is used only when someone is speaking. The silence suppression/Voice Activity Detection (VAD) feature is an option that frees unused call bandwidth for data traffic. This is significant, since callers are usually silent for 60 percent of the call. When using silence suppression, the gateway also offers Comfort Noise Generation (CNG) at the receiving end so the user knows the line has not dropped. In addition, the MultiVOIP FX gateway supports voice compression standards like G.729 (8:1) and G.723 (10:1). These standards help minimize the bandwidth required for voice.

Services and Warranty. Multi-Tech's comprehensive Support Services programs offer a full array of options to suit your specific needs. These services are aimed at protecting your investment, extending the life of your solution or product, and reducing total cost of ownership. Our seasoned technical experts, with an average tenure of more than 10 years, can walk you through smooth installations, troubleshoot issues and help you with configurations. Warranties up to 5 years are available via Multi-Tech's Extended Warranty program, which offers the convenience of Overnight Service* for optimal uptime.

Extended Warranty and Overnight Services. To give you peace-of-mind and protect your investment, our Extended Warranty Service Plans ensure your Multi-Tech products are covered for 1, 2, or 3 years beyond the manufacturer's warranty with an optional Overnight Service plan*.

Installation Support. Multi-Tech's Installation Support Service delivers priority service with the ability to work one-on-one with an experienced Multi-Tech technical support engineer, to guide you through the installation process for our products.

Technical Support Services. At Multi-Tech, we're committed to providing you personalized attention and quality service while providing you a quick response to your product support needs. We have several options of support for you to choose from.

For additional information on Support Services as well as other service offerings, please contact your Multi-Tech representative or visit www.multitech.com/support.go.

* Overnight replacement service is currently available for U.S. customers.

Specifications

Ports
Number of Ports: 2, 4, or 8

Port Interface: FXS, FXO support on each port

FXS Interface: KTS, telephone set, or fax; ground & loop start

FXO Interface: PBX station; CO line, loop start, 2-wire

Dialing: DTMF

Connectors: 1 RJ-11 per port

LAN Port
Format: Ethernet/Ethernet II or SNAP

Interface: 10/100BaseT

Console Port
Interface: RS-232C/D; RJ-45 (RJ-45 to DB9 cable included)

Speed & Format: 115.2K bps asynchronous

Protocols
SIP (RFC 3261), RTP, RTCP, DTMF out-of-band (RFC 2833)

Bandwidth Management
G.711, G.723,G.726, G.729 & silence suppression, VAD, CNG

Voice Quality
G.165, G.168, adaptive echo cancellation, forward error correction, bad frame interpolation, tunable latency, dynamic jitter buffers

Management
Web browser, flash upgradeable

Power
Voltage & Frequency: 115V/240VAC, 47/60 Hz

Power Consumption
2-Port Model: 19W

4- & 8-Port Models: 46W

Dimensions
2-Port Model: 6.2" w × 1.4" h × 9.0" d; 2 lbs. (15.7 cm x 3.6 cm x 22.9 cm: 0.91 kg)

4- & 8-Port Models: 17.3" w x 1.7" h x 8.4" d; 7.4 lbs. (43.9 cm x 4.3 cm x 21.3 cm; 3.4 kg)

Certification
EMC: FCC Part 15 Class A, EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3

Safety: CE, UL 60950, EN 60950, cUL, ACA TS-001

Telecom: FCC Part 68, CS-03, TBR21, ACA TS-031, TBR3

Ordering Information

Product	Description	Region
MVP210-FX	2-Port FXS/FXO SIP Gateway	Global
MVP410-FX	4-Port FXS/FXO SIP Gateway	Global
MVP810-FX	8-Port FXS/FXO SIP Gateway	Global
MVP428-FX	4-Port Expansion Card	Global

Specify country when ordering.

Produced in the US of US and non-US components.

Features and specifications are subject to change without notice.

MultiTech®
Systems