

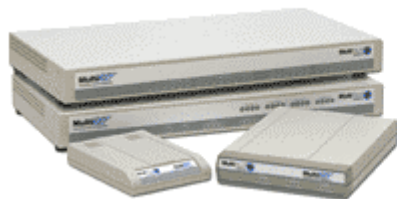
# MVOIP – Voice/Fax Over IP Gateways

## Benefits

Cost-effective long distance voice/fax communication PSTN voice quality over the Internet/Intranet Turnkey voice over IP solution No end user training required The MVOIP voice over IP gateways provide predictable, real-time, tollquality voice and fax communication over your existing IP data network or the Internet. These turnkey solutions are ideal for companies that want to save money on long distance interoffice voice and fax communication.

## Features

- Up to eight voice/fax ports for communication over an existing IP network or the Internet
- Compatible with 10BaseT Ethernet LANs, routers, and WANs without any changes to existing infrastructure
- G.723 provides maximum voice compression to 5.3K bps, which with IP overhead amounts to only 12-13K bps per call
- Support for any fax device • Voice prioritization over IP using industry-standard Differentiated Services (DiffServ)
- No integration with a server or desktop PC required
- ITU G.165 Adaptive Echo Cancellation, forward error correction, bad frame interpolation, and low latency for clearer and more accurate voice communication
- FXS, FXO, and E&M connectors on each port for direct connection to phones, key telephones, fax machines, PBX extensions, or PBX trunks
- Dial, busy, fast busy, and ringback tones
- Local or remote configuration and management with a web browser, Windows<sup>®</sup> 95/98/Windows NT<sup>®</sup> software, tftp, telnet or SNMP
- Live reporting, usage tracking, call history, voice quality statistics, and other management tools
- Advanced security and password authentication designed to restrict outside access
- One year warranty



## Benefits

- Toll bypass voice/fax communications
- PSTN voice quality over the Internet/Intranet
- Turnkey voice over IP solution

# Highlights

**Easy to Use.** Just connect the voice/fax equipment and LAN to the MVOIP, and then map phone numbers to Mac and IP addresses. Users can begin making calls in no time with their ordinary phones without training.

**Cost-Effective.** By routing calls over the Internet or any IP network, the MVOIP can reduce or eliminate long distance interoffice phone/fax charges. And since it requires no integration with a server or phone system and works with routed or Multi-Tech ProxyServer connections, you avoid the need for costly networking or phone system expertise.

**No Single Point of Failure.** A OIP network is more reliable than gatekeeper architectures. Calls are centrally processed with a gatekeeper. If the gatekeeper goes down, the entire VOIP network loses service. If, however, one MVOIP on a network goes offline, the other sites are not affected.

**Voice Quality Standards.** The MVOIP supports DiffServ QoS to help provide consistent voice quality. When network traffic is at peak levels, voice can be given priority over data. To compare the voice quality of a VOIP product, ITU PSQM P.861 provides the measurement standard. When tested by an independent reviewer, the MVOIP rivaled PSTN quality.

**Application Options.** The MVOIP accommodates changing communication needs by providing FXS, FXO, and E&M connections for each port.

## Specifications

### Ports

Number of Ports: 2, 4, or 8 (E&M, FXO, or FXS)  
Format: Analog voice or V.17/Group 3 fax  
E&M Interface: PBX E&M trunk; 2- or 4-wire  
E&M Signal Types: I, II/IV, III & V  
FXO Interface: PBX station; loop start, 2-wire  
FXS Interface: KTS, telephone set, or fax  
Signaling Format: AC is DTMF; DC is pulsed  
Connectors: 1 RJ-48 (E&M); 2 RJ-11s (FXO & FXS)  
per port

### LAN Port

Interface: 10BaseT  
Format: Ethernet/Ethernet II or SNAP

### Command Port

Interface: RS-232C/D; RJ-45 on 2-Port model  
(RJ-45 to DB9 cable included); DB25 on 4- and  
8- Port models  
Speed & Format: 19.2K bps asynchronous

### Management

SNMP management; flash upgradeable

### Power

115v AC or 240v AC (optional), 50/60 Hz

### Physical Description

2-Port Model:  
6.2" w × 1.4" h × 9.0" d; 2 lbs  
15.8 cm × 3.6 cm × 22.9 cm; 0.92 kg  
4- & 8-Port Models:  
17.4" w × 3.8" h × 8" d; 7.4 lbs  
44.2 cm × 9.5 cm × 20.3 cm; 3.4 kg

### Approvals

FCC Part 15 & 68; UL 1950; IC; CE Mark