VoIP Gateways for Paging

Models MVP130BG, MVP210BG, MVP410BG, & MVP810BG

Description

Bogen's Voice Over IP gateways (Models MVP130BG, MVP210BG, MVP410BG, and MVP810BG) allow paging communications to be sent over the Internet or Intranet. FXS pass through expands the paging capabilities of Bogen's PCM zone paging system by providing a continuous connection between buildings using a Local-Area or Wide-Area Network (LAN/WAN).

Bogen's VoIP gateways are available in models ranging from 1 to 8 ports. Each gateway connects directly to Bogen paging systems and equipment to provide overhead paging to all locations within a facility or across a campus without running new lines. The 1-port model supports FXS and FXO. Multi-port models support FXS, FXO, and provide contact closure Receive & Transmit in E&M mode.

The VoIP gateways are easily managed locally using a Windows®-based software application or remotely with a web browser or SNMP.

Bogen's VoIP gateways can also be used for toll-free voice or fax communications when connected 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.

Features

- 1-, 2-, 4-, or 8- analog ports for communication over an existing IP network or the Internet
- Ethernet connectivity and full IP compatibility with existing routers and WAN infrastructure
- Overhead voice paging to multiple locations within a facility, nearby or branch office buildings, or to remote locations
- Single- or multi-zone paging at any or all locations when used with Bogen's Multi-Zone telephone paging interface (UTI312)
- Efficiently communicate company-wide emergency alerts or general announcements
- FXS/FXO connector on each port for direct connection to Bogen's telephone paging interfaces
- Configuration and management using a Web browser or Microsoft Windows®
- Utilizes the H.323 or SIP protocols to provide complete interoperability with other Internet telephony solutions
- Multi-port models provide contact closure Receive & Transmit in E&M mode
- Connects directly to telephone or PBX
- Single Port Protocol (SPP) allows the use of dynamic IP addresses
- Voice compression to 5.3K bps per call with support for multiple algorithms, including ITU G.723 and G.729
- Minimum requirements: Ethernet network, WAN connection, IP addresses
- Supports H.450 supplementary services to provide for call transfer, call forwarding, call hold, call waiting and name identification
- T.38 real-time fax relay for interoperability among other VoIP equipment
- PSTN fail-over automatically routes calls over the PSTN network if the IP network is down

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Specifications subject to change without notice.

Part No. 54-8023-25B 0807

Technical Specifications

Number of Ports:	1, 2, 4 or 8
Port Interface:	FXO, FXS & E&M support on each port (MVP130BG supports FXS and FXO only)
FXS Interface:	KTS, telephone set, or fax; ground and loop start
FXO Interface:	PBX station; CO line, loop start, 2-wire
E&M Interface:	PBX E&M trunk; 2- or 4-wire
E&M Signal Types:	I through V
Dialing:	DTMF or pulse
Connectors:	1 RJ-48 (E&M); 1 RJ-11 (programmable FXS or FXO) per port
LAN Port	
Format:	Ethernet/Ethernet II or SNAP
Interface:	10/100BaseT
Command Port	
1- & 2-Port Interface:	RS-232C/D; RJ-45 (RJ-45 to DB9 cable included)
4- & 8-Port Interface:	RS-232C/D; DB25 (DB9 to DB25 cable included)
Speed & Format:	115.2K bps asynchronous
Protocols:	H.323 V4, SIP, H.450.2, H.450.4, H.450.6 & H.450.8, RTP, RTCP, SMTP, Q.931, T.38 & Group 3 fax relay, DTMF out-of-band (RFC 2833)
Bandwidth Management:	G.711, G.723, G.726, G.727, G.729, & proprietary voice compression, silence suppression, VAD, CNG
Voice Quality:	DiffServ, G.165, G.168, adaptive echo cancellation, forward error correction, bad frame interpolation, tunable latency, dynamic jitter buffers
Management:	Web browser, Windows®, SNMP agent
Power	
Voltage & Frequency:	115V/240V AC, 47/60 Hz
Power Consumption:	1-Port - 4.5 W, 2-Port - 19 W; 4- & 8-Port - 46 W
Dimensions (W x H x D)	
MVP130BG:	4-3/8" x 1" x 5-5/8"
MVP210BG:	6-1/4" x 1-1/2" x 9"
MVP410BG/MVP810BG:	17-1/2" x 3-7/8" x 8"
Product Weight	
MVP130BG:	less than 1 lb.
MVP210BG:	2 lb.
MVP410BG/MVP810BG:	8 lb.
Certification	
EMC:	FCC Part 15 Class A, EN55022, EN55024, EN61000-3-2, EN61000-3-3
Safety:	CE, UL 60950, EN60950, cUL, ACA TS-001
Telecom:	FCC Part 68, CS-03, TBR21

Architect and Engineer Specifications

Bogen's VoIP gateways (Models MVP130BG, MVP210BG, MVP410BG, and MVP810BG) are 1, 2, 4, and 8 analog port voice over IP gateways that shall allow paging communication to be sent over an existing IP network or the Internet.

All models shall include FXS/FXO for direct connection to Bogen's telephone paging interfaces.

All models shall utilize the H.323 or SIP protocols to provide complete interoperability with other Internet telephony solutions and shall support SPP protocol for the use of dynamic IP addresses.

All models shall incorporate PSTN fail-over to automatically route calls over the PSTN network if the IP network is disabled and shall provide call transfer, call forwarding, call hold, call waiting, and name identification.

Configuration and management shall be possible using a Web browser or Microsoft Windows®.

The MVP130BG shall measure 4-3/8" W x 1" H x 5-5/8" D and weigh less than 1 lb. The MVP210BG shall measure 6-1/4" W x 1-1/2" H x 9" D and weigh 2 lb. The MVP410BG and MVP810BG shall measure 17-1/2" W x 3-7/8" H x 8" D and weigh 8 lb.

(For Use with Multi-port Models):
The VoIP Gateway shall provide contact closure Receive & Transmit in E&M mode.

BOGEN®
COMMUNICATIONS, INC.
50 Spring Street, Ramsey, NJ 07446, U.S.A.
201-934-8500 FAX: 201-934-9832 www.bogen.com