ISSUE 3

PagePro VIP-201
SIP Based Paging Gateway

INTRODUCTION

The VIP-201 SIP Based Paging Gateway is designed for use with virtually all IP based telephone systems. The unit provides 8 SIP addressable groups and 1 analog I/O. The VIP-201 can control thousands of IP and/or analog speakers or provide interface to legacy paging systems.

SPECIFICATIONS

Access Methods

- SIP
- Valcom Multicast Page Group

Power Options

- 802.3af, Class 3 Compliant Power over Ethernet
- Optional External Power Supply (VIP-324)

Features

- 1 Analog Audio Output
- 2 Programmable Form C Relay Closures
- RJ-45 for Network Connection
- Provides Audio for Valcom Analog One-Way Self Amplified Speaker Assemblies or 25/70 Volt central amplifiers
- AUX Audio Input via RCA Jack
- Optional Background Music, Music Mutes During a Page
- Output Control Relay Closure Provided During Paging Output
- 2.5mm Jack for optional DC Power (non-POE)
- LED Status / Network Activity LEDs
- Optional Feedback Elimination/Page Repeat
- Programmable Night Ring

Dimensions/Weight

- 1 Standard 19” Rack Unit
- 1.75” H x 16.6" W x 5.4" D (4.57 cm x 42.16 cm x 13.71 cm)
- Weight: 4.65 lbs. (2.10 kg)

Nominal Specifications

AUX Input Impedance:	8 to 600 Ohms
AUX Input Level:	-10dBm nominal
Output Impedance:	50 Ohms
Output Level:	- 10dBm nominal
Relay Current Rating:	1 Amp @ 24VDC

Nominal Power Requirements

Via rear panel barrel connector

Voltage:	24VDC
Current:	325mA
Via 802.3af PoE Ethernet Switch:	Class 3

Environment

Temperature:	0 to +40° C
Humidity:	0 to 85% Non-Precipitating

Packing List

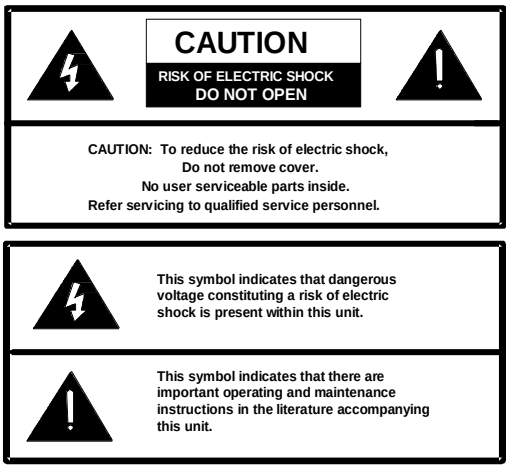
Qty	Item
1	VIP-201
1	RJ-45 Patch Cable
4	Rubber Pads
2	Mounting Brackets
8	Mounting Bracket Screws
4	Rack Mount Screws
4	Wall Mount Screws
1	VIP Quick Start Guide
1	VSP Document
1	VIP Set Up CD

INSTALLATION

FCC Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at their own expense.

Precautionary Designations



Mounting

The VIP-201 SIP Based Paging Gateway is designed for rack, shelf, or wall mounting.

Rack: Attach the brackets to the four holes closest to the front on each side, then mount the unit to a 19" rack.

Shelf: Provided with the VIP-201 SIP Based Paging Server are four rubber stick-on pads. Peel the pads from their carrier backing and place at the four corners of the bottom of the unit.

Wall: Using the brackets and wood screws provided, secure the VIP-201 SIP Based Paging Server to the wall.

Power Connections

The preferred method of powering a VIP-201 is via a power over Ethernet switch meeting the 802.3af specification.

If the rear panel barrel connector is used for power, the preferred power supply is a Valcom VIP-324.

Make all required signal connections before applying power to the unit.

Network Connection

The VIP-201 has one Category 5 RJ-45 network connector on the front panel.

Use the supplied Category 5 patch cable to connect the VIP-201 to an Ethernet switch. If the Ethernet switch is 802.3af compliant the VIP-201 will draw power from it.

Signal Connections

The VIP-201 has 3 active I/O connectors on the rear panel:

- RCA jack for AUX audio input
- 2 Pin screw terminal for audio output
- 6 Pin screw terminal for relay connections

AUX Input: Local audio may be input via the rear panel RCA jack. Nominal input impedance is 600 Ohms. Connect any compatible audio source using an RCA patch cable. Audio supplied through the rear panel RCA jack is transformer coupled to Audio Out whenever it is idle. This is typically used for background music.

Audio Out: Typically connects to Self Amplified Speakers or into an amplifier. AUX Input audio mutes when Audio Out is receiving page audio.

Relay Channels: Access to the two form C relays is provided via a six-pin screw terminal block. The relays are labeled K1 and K2. Each relay is brought out on three terminals. The common contact is the middle terminal with the normally closed contact on the left and the normally open contact on the right. Relay contacts are rated for 1A @ 24VDC.

Status Indicator Lights

The VIP-201 Network Interface has 3 status indication lights:

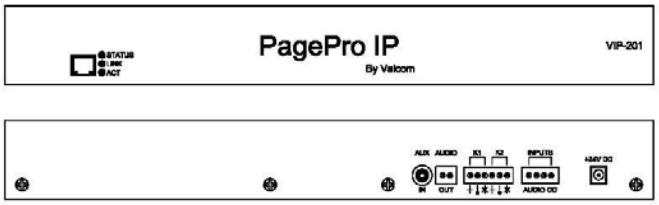
STATUS: Flashes during normal operation and solid during system startup.

LINK: Indicates a 100 Mbit Ethernet connection when illuminated. A non-illuminated LINK LED indicates a 10 Mbit connection or no network connection.

ACT: Indicator flashes to indicate network activity.

Operation

Provides paging from SIP connection or from another Valcom VIP unit. Interface to the customer's telephone system can be via SIP registration, FXO port (with VIP-811), or FXS port (with VIP-821). Unit can also be accessed from a VIP-801 connected to a page port or a Valcom page control.



Setup

Information specific to your application will need to be programmed into the VIP-201 using a computer. The PC used for programming should be connected to the same subnet as the VIP-201.

Setup will be done using the IP Solutions Setup Tool. The IP Solutions Setup Tool is included on the CD ROM enclosed with the VIP-201.

TECHNICAL ASSISTANCE

Assistance in troubleshooting is available from the factory. Call (540) 563-2000 and press 1 for Technical Support or via email at support@valcom.com.

Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA. Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number, contact person and the nature of the problem. Send the unit to:

VALCOM LIMITED WARRANTY

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim;
2. the defect is not the result of damage, misuse, or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Valcom are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

This warranty is in lieu of and excludes all other warranties, expressed or implied and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation, or use of the product.

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.