

PagePro IPTM SIP Based Paging Server Model VIP-204



FEATURES:

- Easy To Install
- Multiple Simultaneous Pages
- Live, Recorded Or Scheduled Messages
- 65,000 Speakers, Expandable To 256 IP Paging Zones
- Easily Connect Loudspeaker System To Existing Computer Networks
- Compatible With Cisco, Nortel, Avaya, Iwatsu And Most IP Telephone Systems
- Supports IP And Analog Amplified Speakers
- Supports IP Talkback Speakers
- Supports Legacy Paging Systems
- Web Interface For Control And Setup
- Synchronized Clock Compatibility
- PoE (802.3af) Or Local Power
- SIP And Multicast
- Network And Field Wiring Supervision
- Wireless Option
- Developer Kit Available
- Feedback Eliminator
- DHCP



Applications

- General:** Large dispersed paging /notification applications over existing networks
- Governments:** Provide secure, supervised, high survivability notification systems
- Healthcare:** The most practical way to page huge facilities
- Education:** Cost effectively page hundreds of buildings (supervised)
- Transportation:** Network Airports, Ferry Terminals, Subway Stations, Bus Stops, etc

General Description

The PagePro IP Model VIP-204 is a SIP based paging server designed for use with virtually all IP based telephone systems. The unit provides 8 zones, groups thereof and all call paging. Up to 4 simultaneous non conflicting pages. This PagePro IP unit can drive up to 65,000 IP speakers or 65,000 analog speakers or provide the audio source for legacy paging systems. It can simultaneously drive any combination of these paging applications. The VIP-204 can form the foundation of most paging projects. The 8 zones can be accessed individually or in flexible groups. If more zones are needed, multiple VIP-204 devices can be ganged together. Provides feedback elimination.

Group Paging Features

The PagePro IP Model VIP-204 allows SIP based phone systems to page any number of Valcom IP speakers, Valcom Amplified Speakers and Valcom VIP series analog paging gateways. Valcom multicast group paging features robust grouping and priority controls. These controls make it easy to distribute low priority announcements yet allow high priority paging to override ongoing announcements.

Group Paging Features

The PagePro IP Model VIP-204 provides 8 IP zones and 4 analog outputs capable of driving a mix of Valcom self amplified overhead paging speakers and horns. These outputs can be grouped together to be accessed at one time for zone paging applications. You can assign one SIP access phone number for each port, plus another for all call. The VIP-204 provides 8 fully customizable SIP identities that can access any combination of the IP zones or analog ports. Analog group paging functions can be seamlessly combined IP paging functions allowing powerful combinations of analog and IP paging.

Group Paging Priority Feature

Any page group or port can be assigned a priority. These priorities allow a logical scaled approach to group paging. An absolute priority can be assigned to allow for emergency override in any circumstance. Group paging priorities work locally or across ganged units in the same fashion allowing facility wide emergency paging. Red Phone functionality is easily achieved with either IP phone or analog handsets via a Valcom gateway.

Feedback Elimination Feature

The PagePro IP Model VIP-204 provides programmable store and forward capability for all paging accesses. This features records up to 30 seconds of audio, and then replays the audio when the page call is terminated. The number of times the recorded audio is played back can be set from 1 to 5. Some paging applications require live announcements. For these applications the store and forward capability can be turned on/off per page zone.

Wiring Supervision Features

The PagePro IP Model VIP-204 provides for supervision of field wiring. If a fault is detected in the wiring connecting the analog outputs to either speakers or amplifiers it can be reported to an external device or syslog facility.

Audio Supervision Features

The PagePro IP Model VIP-204 provides internal monitoring of the audio path from the network connection to the analog output connectors and can report failures to an external device or syslog facility.

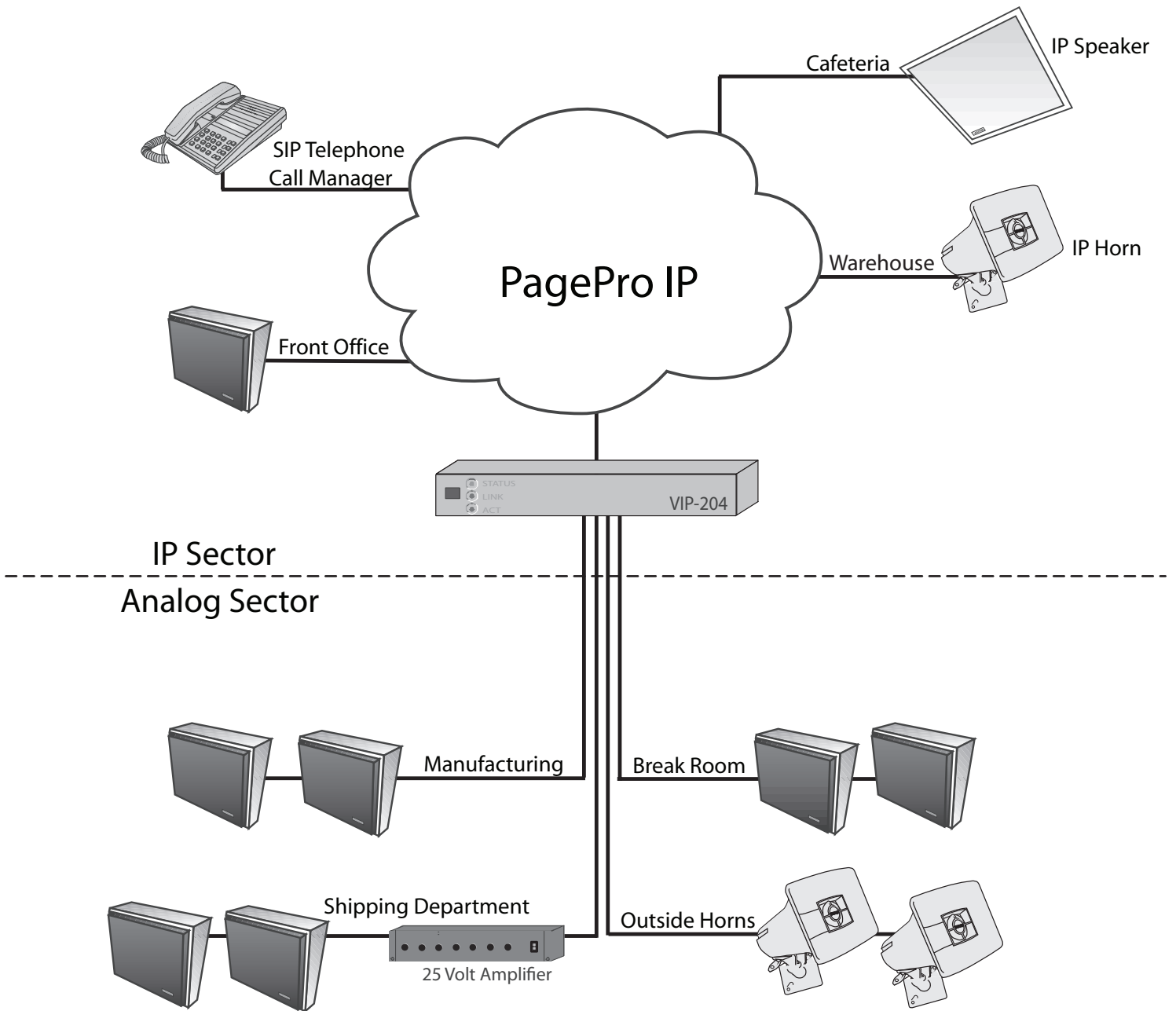
Legacy Applications

The PagePro IP Model VIP-204 provides 4 analog outputs that can easily be conditioned to drive any existing overhead paging system. Legacy paging features can be seamlessly combined allowing powerful combinations of legacy analog and IP paging.

Options

Software development kit available
Wireless option (802.11)
Codec Options





Valcom PagePro IP VIP-204 allows paging from any SIP compliant telephone to 8 SIP page destinations. The SIP page destinations can be any of the VIP-204's four analog outputs, any combination of those outputs, or any combination of page groups from other Valcom VIP units. The four analog outputs on the VIP-204 are line level -10dBm audio outputs. These outputs are designed to directly drive up to 150 Valcom self-amplified speakers. The outputs are also suitable for connection to an auxiliary input on a utility amplifier of a legacy paging system.



PagePro IP™

SIP Based Paging Server

Model VIP-204

SPECIFICATIONS:

Physical

1U 19" Rack Mount

Power

Extend: 24 VDC @ 325 ma
POE: 802.3af, class 3

Networking

10/100 Mbps Ethernet port
Manual or Dynamic Host Configuration Protocol (DHCP) IP address setup.
Time and date synchronization using SNTP

Protocols

IETF SIP (RFC3261)
IETF IGMP version 3 (RFC3376)
IETF RTP (RFC1889)
IETF RFC2833
Digest Authentication
* Other protocols available upon request

Audio Specifications

Local Music Source Input Impedance: 8 to 600 Ohms
Local Music Input Level: -10dBm nominal
Output Impedance: 50 Ohms
Output Level: - 10dBm nominal

Relay Specifications

Relay Current: 1 AMP @ 24VDC

Environment

Temperature: 0 to +40° C
Humidity: 0 to 85% non-precipitating

Feature Highlights

4 Audio Analog Outputs
4 Normally Open contact closures
8 Groups of paging
Gang multiple units for extended coverage
Programmable Feedback elimination
Wiring supervision
Audio supervision

