PBX Trunk Access
VoIP Intercom & Paging System

VALCOM

VoIP Application Brief: 6

Enhanced Network Station Port (VIP-811A) can be used to interface phone system Trunk Ports or FXO ports to overhead loudspeaker paging systems and intercom stations. It can dial to any VoIP paging endpoint(s) in the network for All Call or to specific groups of endpoints for zoned paging.
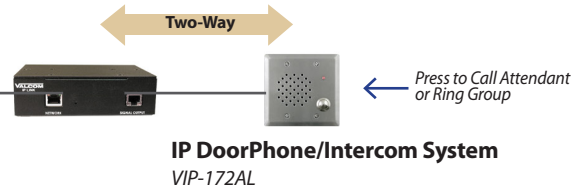
IP Doorphone/Intercom (VIP-172AL) is used for providing direct connections to a central answering station, such as a guard desk or receptionist, including ring groups. The Doorphone provides a relay output for remotely controlling entry door locks or gates.

Paging Operation from any Feature KEY Telephone Set:
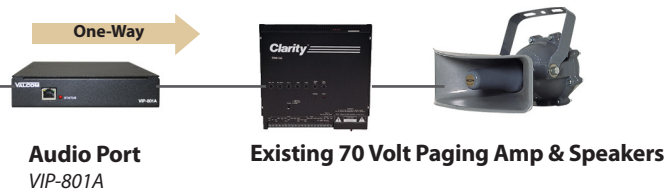• Dial Trunk Access Code or use direct select key to connect to Enhanced Network Station Port
• Dial paging code for All Call or specific building page

Intercom Operation with Feature KEY Phone Set:
• Program incoming ringing trunk to route to attendant telephone or ring group
• Answer call, speak hands-free with intercom station
• Call any intercom station by dialing its phone number

Two-Way

Station Port *VIP-811A*
Loop Start Trunk Port
PBX/FXO or Loop Start Trunk connected to Enhanced Network Station Port, providing IP telephone paging and intercom access.

PBX

IP Network

User Ring Group

Attendant

Building #1 PAGING ZONE — *Valcom Speakers*

One-Way

Audio Port   **Track-Style Speaker**   **External**
VIP-801A   ***Self-Amplified***   **Power Supply**
                     V-1013B   **for Speakers**

Connected to a zone of self-amplified speakers using an external power supply.

Building #2 DELIVERY ENTRANCE

Two-Way

Press to Call Attendant or Ring Group

IP DoorPhone/Intercom System
VIP-172AL

IP Doorphone/Intercom providing call in to Attendant phone and full two-way intercom.

Building #3 PAGING ZONE — *70 Volt Amplifier*

One-Way

Audio Port   **Existing 70 Volt Paging Amp & Speakers**
VIP-801A

Provides audio output and contact closure. Connection to remote amplifier may vary by manufacture and require additional components. Contact Valcom Technical Support for further assistance.

Key Uses & Benefits
• Communicate with handsets, intercom stations & loudspeakers
• Receive calls to attendant position from anywhere on the network
• All Call and zoned paging operation from any PBX phone
• PBX Trunk Level Access VoIP integration provides two-way intercom operation and one-way paging
• Network ALL your buildings for paging and intercom without extra leased line charges