VALCOM IP Solutions

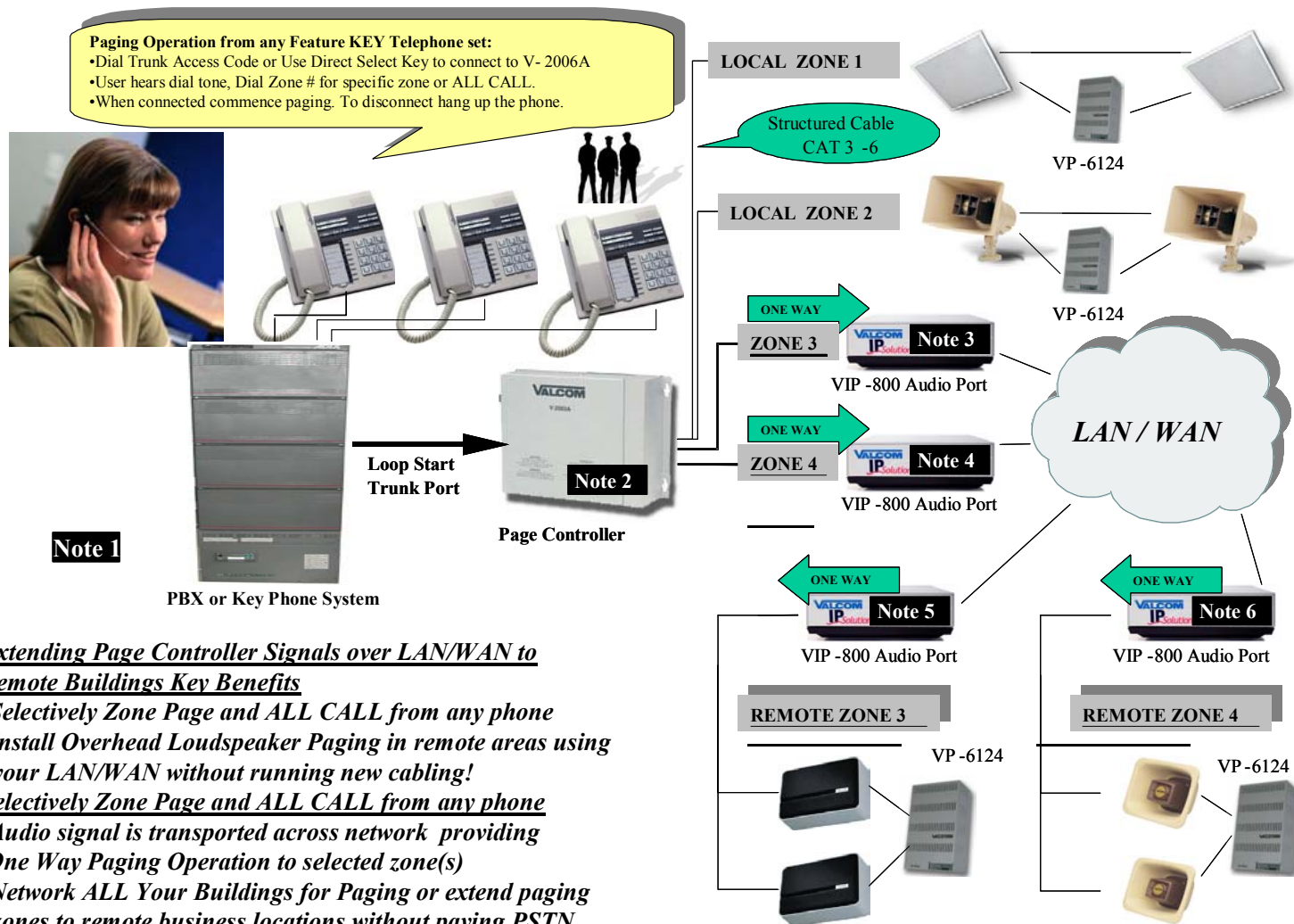## Extending Loudspeaker Paging Signals over LAN/WAN

- Using the VIP-800 Audio Page Port to extend Valcom page controller zones to remote area loudspeakers

VoIP Application Brief Number: 7

Overview:

The Page Controller is connected to any PBX or Key System through FXO or Loop Start Trunk Port. Zone 1 and Zone 2 paging zones are On Premise and wired using structured cabling. Zone three and Zone 4 need to be extended Off Premise to remote areas using VIP-800's. The audio paging signal is then transported over the network and received by the associated VIP-800 in remote areas. Valcom VoIP adapters plug into the nearest LAN/ WAN port in any location, providing the communications path to loudspeaker paging zones. User can access overhead paging from any PBX key telephone set(s) and send voice pages to local zones or those that are remote. Zones may be accessed in groups or facility wide All Call.

Paging Operation from any Feature KEY Telephone set:
•Dial Trunk Access Code or Use Direct Select Key to connect to V- 2006A
•User hears dial tone, Dial Zone # for specific zone or ALL CALL.
•When connected commence paging. To disconnect hang up the phone.

LOCAL ZONE 1

Structured Cable CAT 3 -6

VP -6124

LOCAL ZONE 2

VP -6124

ONE WAY
ZONE 3 — Note 3
VIP -800 Audio Port

ONE WAY
ZONE 4 — Note 4
VIP -800 Audio Port

LAN / WAN

Loop Start Trunk Port

Note 2

Page Controller

Note 1

PBX or Key Phone System

ONE WAY
Note 5
VIP -800 Audio Port

ONE WAY
Note 6
VIP -800 Audio Port

REMOTE ZONE 3
VP -6124

REMOTE ZONE 4
VP -6124

Extending Page Controller Signals over LAN/WAN to Remote Buildings Key Benefits
•*Selectively Zone Page and ALL CALL from any phone*
•*Install Overhead Loudspeaker Paging in remote areas using your LAN/WAN without running new cabling!*
Selectively Zone Page and ALL CALL from any phone
•*Audio signal is transported across network providing One Way Paging Operation to selected zone(s)*
•*Network ALL Your Buildings for Paging or extend paging zones to remote business locations without paying PSTN leased line charges!*

System Design Notes:

1. PBX/FXO or Loop Start Trunk connected to Page Controller, providing Key telephone loudspeaker paging access.
2. Page Controller is connected to PBX/FXO Trunk providing PBX key telephone access for key phone voice paging.
3. VIP-800 connected to Zone 3 of the Page Controller.
4. VIP-800 connected to Zone 4 of the Page Controller.
5. VIP-800 programmed to receive zone 3 voice pages and is used with SlimLine wall speakers and power supply.
6. VIP-800 programmed to receive zone 4 voice pages and is used with Flexhorn speakers and power supply.

For further information on this or other system applications call us at 1-800-VALCOM1. Press 1 for Applications Support.