

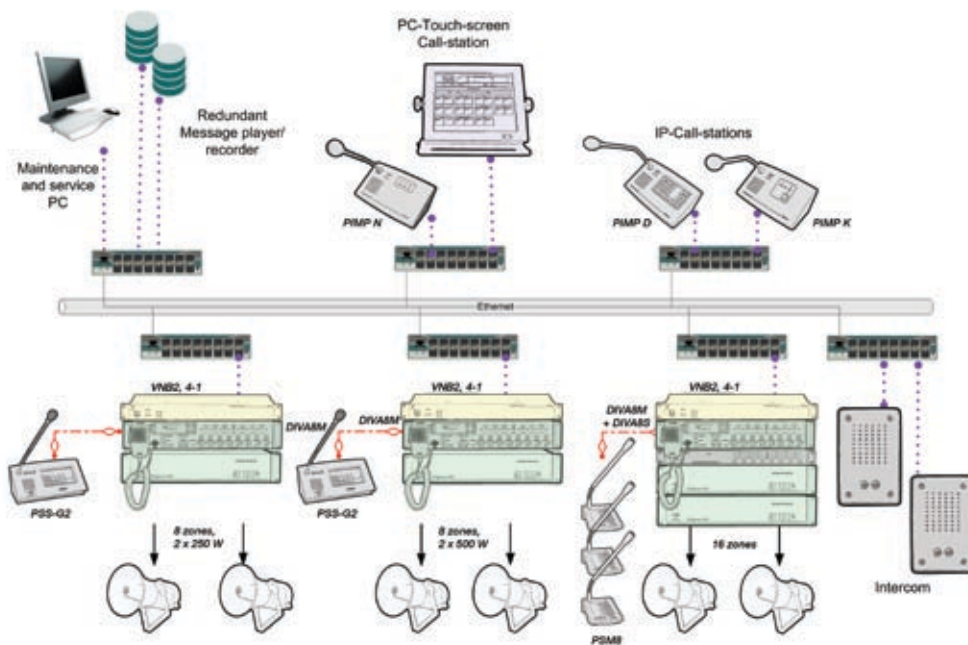
# DIVA8M system

## Vox-Net

### IP-media software and IP-media streamers & accessories

The combination of ATEIS VNB TCP/IP intercom with our comprehensive Vox-Net software will provide a whole new control and security environment. Users will have access to both intercom and paging features from the same call stations. Those call stations being either the PMIP-D or any PC in association with the PMIP-N station.

VOX-NET with DIVA8 System

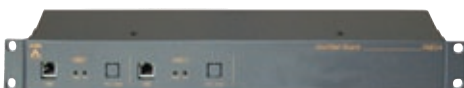


### Vox-Net IP-media software add the following features to the integration

- Audio server with MP3 message/Musicfiles library. It can contain thousands of MP3 files for either background music or pre-recorded messages to be broadcasted into the TCP/IP network.
- Remote station status reporting global.
- Optional server and network redundancy.
- Visualization and recording (Log file) of events and Sinaps Remote systems faults.
- TCP/IP network address administration on VOX-NET IP-media software.
- Microphone calls in any zone or group of zones of any IDA4 System.
- Broadcasting of pre-recorded messages in any zone or group of zones.
- Background music pre-recorded on server or played on external music source.
- Live recording of microphone calls to be broadcasted later on.
- Pre-recorded messages stacking. Up to 100 messages can be stacked.
- Message scheduler (time, day of the week, number of times).
- User management with up to 10 configurable and password protected profiles.
- IDA4 System administration with PCIDA4XM software.
- Recording on log file of calls, messages, and VOX-NET and DIVA8 System faults.
- MODBUS protocol for third party control.

### Additional IP-Media software and audio IP-media streamers:

#### VNB, IP-media streamers



VNB, IP-media streamers have been designed to suit simple point to point or point to multi-point audio and data gateways with no direct need for a PC. If you require media streaming for radio broadcasting, paging or a 2-way communication, the VNB will meet your needs. Each VNB provides 2 audio input and 2 audio output channels using fast SPEEX encoding or high quality MP3 encoding.

Switching and indication contacts are provided for system interfacing and there is a webserver for direct configuration access. The ATEIS VNB IP-media streamers enable low cost and low power audio distribution and communication using LAN or WAN (VPN).

(Future SIP compatibility will provide internet connectivity for VOIP applications).

#### VNB2, 4-1, IP-media streamer

2 balanced 0 dB to -60 dB audio inputs, 2 balanced 0 dB audio outputs, one IP-address, and 4 switching contacts (2 in/2 out).

#### VNB2, 4-2, IP-media streamer

4 balanced 0 dB to -60 dB audio inputs, 4 balanced 0 dB audio outputs, two IP-addresses, and 4 switching contacts (2 in/2 out).

#### VNB2,4-3, IP-media streamer

6 balanced 0 dB to -60 dB audio inputs, 6 balanced 0 dB audio outputs, three IP-addresses, and 4 switching contacts (2 in/2 out).

#### VNB2,4-4, IP-media streamer

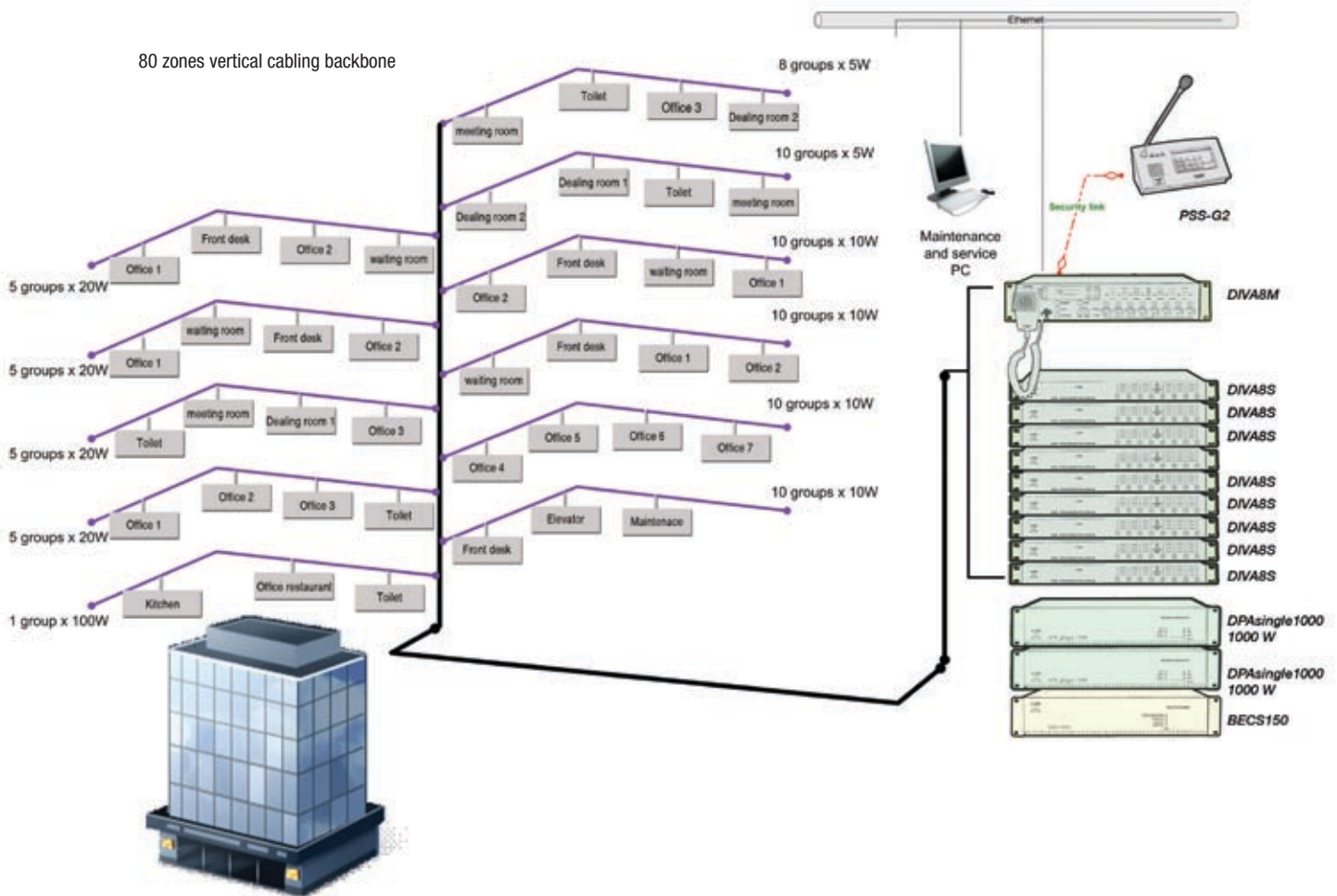
8 balanced 0 dB to -60 dB audio inputs, 8 balanced 0 dB audio outputs, four IP-addresses, and 4 switching contacts (2 in/2 out).

- Audio Distribution over IP
- Commercial Audio
- Intelligent Acoustic Solutions
- Intercommunication
- Loudspeakers



SYSTEM EXAMPLE # 1

High rise buildings with distributed sound for multi-zone paging



This tutorial describes a PAVA system, VACIE, which is used for voice evacuation with an automatic link to a fire-panel system, FACIE, for high rise building applications with multi-zone paging requirements. The DIVA concept represents a reliable and affordable system solution.

The system consists of a central rack that contains all equipment including: DIVA8M Master unit and 9 pcs. of DIVA8S Slave units, covering an 80 zones background music and selective paging and voice evacuation system. From the central rack, a multi-pair cable transports the audio to the multiple zones with variable loads. The DIVA8M Master unit provides the fireman's operating section on the central paging facility rack and a touch-screen multi-zone paging and control console. This part of the system is also linked to the FACIE.

The DIVA8M Master unit is linked with the DIVA8S Slave units using a secured link over RJ45. Two powerful 1000 Watt amplifiers provide signals for paging and background music. The background music amplifier is also used as back-up amplifier in case of an amplifier failure. This unique concept guarantees savings on rack assembly and amplifier power.

The paging console is connected via a secured dedicated link with the central equipment racks.

A TCP/IP link from the main system to the SERVICE area is meant for maintenance use and remote access. The paging desk can do 'all-call' and zoned call announcements and has a monitor loudspeaker in the unit for system monitoring.

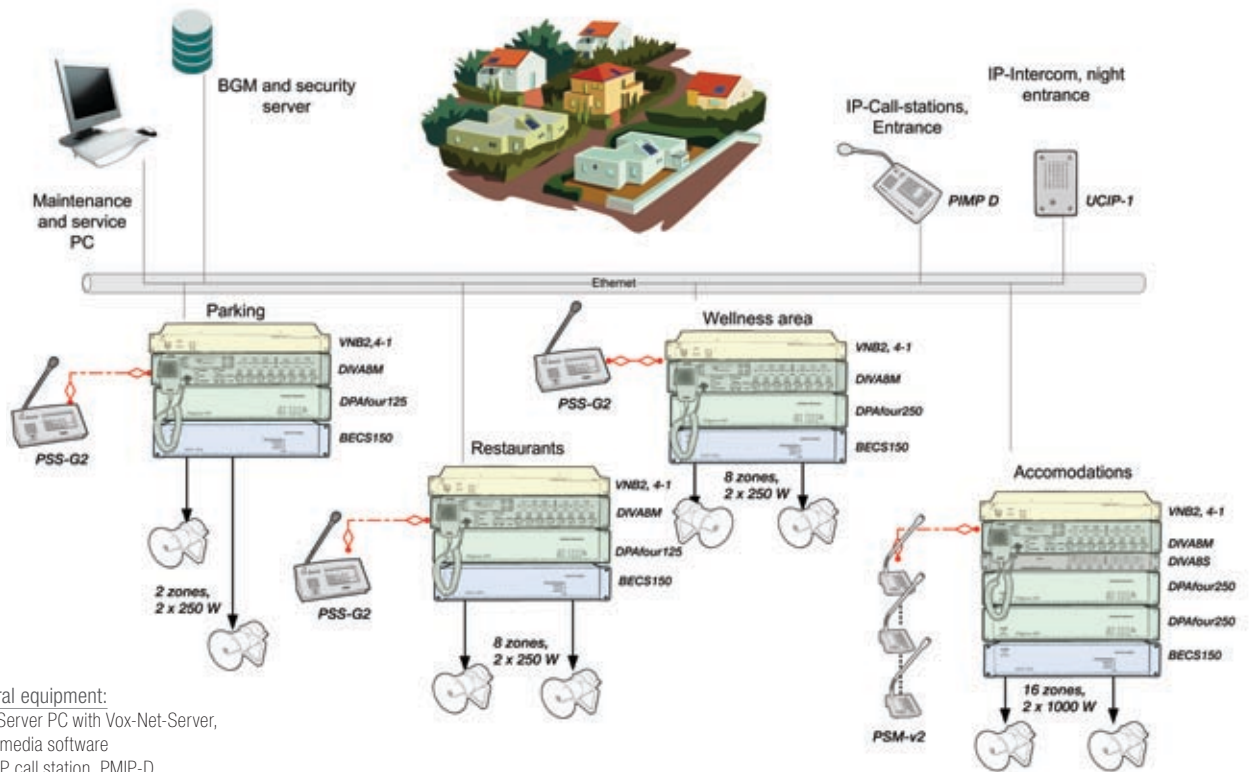
- Central equipment rack:
- 1x DIVA8M, for 8 zone paging
  - 9x DIVA8S, for 9 x 8 zone paging
  - 1x DPASingle1000, Paging amplifier
  - 1x DPASingle1000, Music & Backup amplifier
  - 1x BECS150, Power & Battery back-up device
  - 1x PSS-G2 Paging console



# DIVA8M system

## SYSTEM EXAMPLE # 2

Resort



### Central equipment:

- 1x Server PC with Vox-Net-Server, IP-media software
- 1x IP call station, PIMP-D
- 1x Intercom doorstation, UCIP-1
- 2x Vox-Net-In, IP media licence

### Parking Area:

- 1x DIVA8M, master unit
- 1x DPAfour125, digital power amplifier
- 1x BECS150, battery backup unit
- 1x PSS-G2, paging console
- 1x Vox-Net OUTPUT Node licence

### Restaurants:

- 1x DIVA8M, master unit
- 1x DPAfour125, digital power amplifier
- 1x BECS150, battery backup unit
- 1x PSS-G2, paging console
- 1x Vox-Net OUTPUT Node licence

### Wellness area:

- 1x DIVA8M, master unit
- 1x DPAfour250, digital power amplifier
- 1x BECS150, battery backup unit
- 1x PSS-G2, paging console
- 1x Vox-Net OUTPUT Node licence

### Accommodations:

- 1x DIVA8M, master unit
- 1x DIVA8S, Slave unit
- 2x DPAfour250, digital power amplifier
- 1x BECS150, battery backup unit
- 3x PSM-V2, paging console
- 1x Vox-Net OUTPUT Node licence

This tutorial describes a PAVA system, VACIE, which is used for voice evacuation with an automatic link to a fire-panel system, FACIE, for a resort with several buildings linked over IP. The DIVA System concept stands for a reliable and affordable system solution where each building has its own FACIE linked to the VACIE consisting of a DIVA8M Master unit with amplifiers and battery backup facilities.

The system consists of 4 individual PAVA equipment sets that are linked over IP. A server with special software, Vox-Net, surveys the audio/data connections between the 4 sub systems and the IP-paging facilities. Vox-Net - IP media software also provides surveyed intercom stations to be included into the system and provides multi-channels BGM. The standalone DIVA8M Master unit provides the fireman's operating section on the central paging facility rack and a touch-screen multi-zone paging and control console. This part of the system is also linked to the FACIE.

Depending on the situation, digital power amplifiers are used; 4 x 125 W, 4 x 250 Watt or 1 x 1000 W. DIVA8M Master unit and DIVA8S Slave unit only need 2 amplifiers. One for Paging and one for BGM/Back-up. The background music amplifier is also used as back-up amplifier in case of an amplifier failure. This unique concept warrants savings on rack assembly and amplifier power.

The paging consoles, PSS-G2 and PSM8 are connected via a secured dedicated link with the central equipment racks. When multiple PSM8's are used into one DIVA8M Master unit, only the first one, master, can be used for security purposes. The remaining ones, slaves, are not surveyed.

A TCP/IP link from the main system to the SERVICE area is meant for maintenance use and remote access. The paging console can do all calls and zone-calls and has a feedback loudspeaker in the unit for system monitoring.