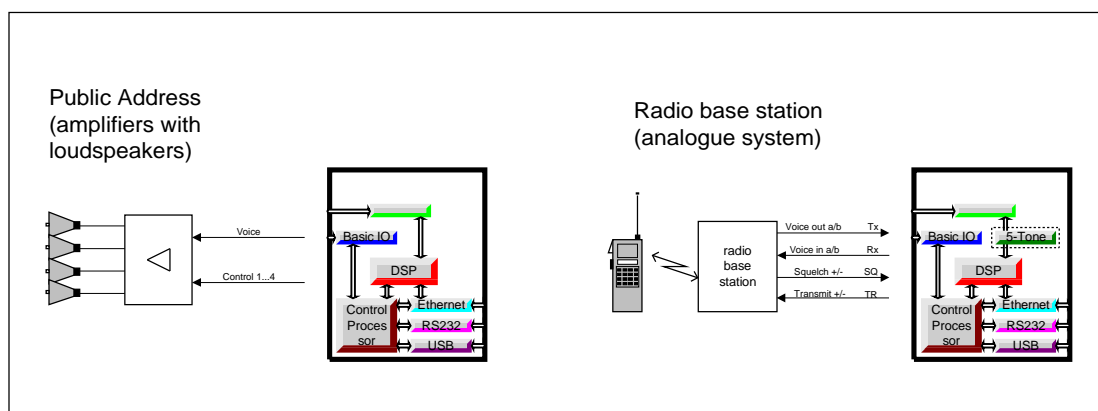




LAN-PA/R 42 Interface

The New Generation of LAN and Intranet Interfaces for Public Address and Radio Equipment



Summary

The **LAN-PA/R 42 Interface Series** are suitable for airports, railways, roads, public buildings and hostile environments. The **LAN-PA/R 42 Interface** is one of a range of specialised equipment and is manufactured by Arnesys to exacting standards. They feature

- * Adapted to mission critical applications
- * High performance
- * Maintenance free
- * Highly reliable operation & low cost of ownership
- * Part of a modern range of Specialised Equipment
- * Many options to suit your exact requirements

The **LAN-PA/R 42 Interface** has been designed using the latest technology and manufacturing specifications.

The **LAN-PA/R 42 Interface** is compatible with a wide range of networks ensuring clear speech quality at all times.

The **LAN-PA/R 42 Interface** is part of the overall VoIP system **PA-R-I-Ty over IP** (public address, radio, intercom & telephony over IP).

Introduction to LAN-Interface

LAN-Interface is an interface that allows a user at an operator console to make voice communications with radio users or to make announcements on loudspeakers via a LAN or broad band Intranet link.

As can be seen from the sketch above, the interface connects the LAN with an amplifier or with a radio base station. Behind the amplifier it's possible to have four independent loudspeaker-groups. The radio interface supports 5-tone signalling (ZVEI). No special requirements are necessary for the amplifiers and radio base stations. Existing equipment can often be used.

To make announcements or radio-calls no switching system need be installed between the operator consoles and the interfaces. Although the system can be used without, it is recommended that a W2000-Server (service-provider) be included in the system. This server will synchronise all activities on the LAN, inform the users about the equipment, which is still being used by others and give higher priorities to voice calls etc.

PA-R-I-Ty over IP

Currently operators in mission critical environments frequently have to work with several independent communication systems. Until now, for each function a separate system had to be installed. With the emergence of IP-technology it is now possible not only to make phone calls over IP but also to build integrated systems, whereby all equipment are connected to one LAN or intranet. Public Address, Radio, Intercom and Telephony can all be supported by one system. From one operator console, it is possible to answer all calls and reach all system users. Extra services can be furnished by a service-provider, which in reality is a normal PC-server. The whole system can be maintained using standard Internet-tools. The configuration of the system is achieved using a state-of-the-art database.

Gateways to the "legacy" world

Each system is essentially an island. To be connected to the rest of the world, this system must be completed with gateways (e.g. to the PSTN). A variety of gateways can be offered to meet the customers exact requirements.

FEATURES

The **LAN-PA/R 42 Interface** features

- a stand-alone version in an enclosure, which can be post or wall mounted
- a printed circuit board version, which can be installed in a rack
- the ability to search for a service provider on the LAN and use the offered services
- integrated maintenance software, interrogated by a web-browser
- a very low Total Cost of Ownership with a high MTBF and low MTTR due to its advanced concepts and reliable components