



LAN-Phone 105

The New Generation of LAN and Intranet Phone for all Standard Business Environments



Summary

The **LAN-PHONE 105** Series of Telephones are suitable for use as heavy usage phones in factories, airports, tunnels, power stations, railways, roads, ships, public buildings, and all other essentially non-hostile environments (other phones in this range such as the LAN-Phone 42 are suitable for hostile environments).

The **LAN-PHONE 105** is one of a range of specialised telephones and is manufactured to exacting standards.

They feature

- * Superb construction
- * Safety due to their non-metallic case & handset
- * Solid State Electronics throughout
- * Highly reliable operation & low cost of ownership
- * Part of a modern range of Specialised Telephones
- * Many options to suit your exact requirements

The **LAN-PHONE 105** has been designed using the latest technology and manufacturing specifications.

The **LAN-PHONE 105** is compatible with a wide range of networks ensuring clear speech quality at all times.

Introduction to LAN-Phones

LAN-Phone 105 is a telephone like terminal that allows the user to make voice communication via a LAN or broad band Intranet link. Earlier generations of this type of telephone were sometimes referred to as Ethernet phones or IP phones or VoIP phones.

As can be seen from the photo above the appearance of a LAN-Phone 105 resembles a traditional telephone set. However, it does not use the PSTN (public switching telephone network) to make calls. Neither the dialling procedure nor the ringing procedure involves a telephone line as it operates more like a computer workstation connected to a computer LAN (Local Area Network).

LAN-Phone 105 calling another LAN-Phone

When a LAN-Phone 105 wants to make a telephone call, it informs the network about its address and whom it wants to call. There is a software module (either on an application server in the network or on a separate unit) which collects this information and translates it into a terminal address (IP) for the LAN-Phone 105. This application on the server is called a gatekeeper or call manager. Finally the LAN-Phone 105 will obtain the IP address of another LAN-Phone 105 (called party) and establish a conversation with it. Call establishment operation is approximately the same as a computer workstation accessing another computer on the "Network Neighbourhood". During the conversation, gatekeeper monitors the conversation and provides additional information when calling or called parties request additional services (e.g. make a conference call with a third party).

LAN-Phone 105 Calling to PSTN

A LAN-Phone 105 can call and talk with another LAN-Phone 105 via the network. In addition, a LAN-Phone 105 can call to a traditional PSTN telephone via a voice gateway. Voice gateway provides traditional telephone line connectivity to the network. When a LAN-Phone 105 wants to call a PSTN telephone, the gatekeeper will instruct the voice gateway to dial. After a call is established between the voice gateway and a PSTN telephone, the LAN-Phone 105 will access the voice gateway and talk with the PSTN telephone via it. Therefore, the

voice gateway is a bridge from the PSTN to an intranet or LAN.

Technical Operation

With its VoIP phone, the LAN-Phone 105, Arnesys sets new standards regarding flexibility and interoperability. The phone is compatible to every VoIP-gateway and gatekeeper based on the open standards SIP and H.323/H.450, which makes it easy to integrate in an existing LAN/WAN environment. With Linux as the underlying operating system, stability and security are not an issue for the Arnesys 105.

Able to handle both H.323/H.450 and SIP protocol suites and software updates, the Arnesys 105 is ready for the future - no matter which protocol stack will prevail or might come up the Arnesys 105 is a safe investment. In addition, CTI applications such as HTTP, TAPI and LDAP integrate the phones with the rest of the IT infrastructure. This makes applications possible which were not economically feasible with traditional technology.

The customer does not have to bid farewell to supplementary service features he is familiar with (e.g. ISDN). On the contrary - with an Arnesys phone the connection is set up as fast as with digital ISDN phones and in addition to the IP functionality, the Arnesys 105 supports features like call hold, call waiting, call forward/transfer, call divert, caller line identification, etc..

The voice quality of the Arnesys 105 cannot be distinguished from traditional ISDN phone and its graphical interface and web browser make calling, remote management and configuring even easier.

- graphical display with 4 soft keys
- transfer
- echo cancellation
- speed dial
- HTTP Server
- call hold, call wait
- call divert
- redialling
- caller waiting list
- 27 ring tones
- DTMF
- SMS send/receive

OPTIONS

The **LAN-PHONE 105** will be able to have an Headset instead of a Handset for noisy environments

The **LAN-PHONE 105** can have a Logo to customer specifications

The **LAN-PHONE 105** can be in other colours (consult factory)