



LAN-Phone 42 HD

The New Generation of LAN and Intranet Phone for Ships, Power Stations, Railways, Factories etc



The **LAN-PHONE 42 HD** is one of a range of specialised telephones and is manufactured by Arnesys to exacting standards. They feature

- * Weatherproof and extremely rugged construction
- * Safety due to their non-metallic case & handset
- * Corrosion resistance
- * 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

Summary

The **LAN-PHONE 42 HD** Series of Telephones are suitable for airports, tunnels, power stations, railways, roads, ships, public buildings, quarries and hostile environments.

The **LAN-PHONE 42 HD** has been designed using the latest technology and manufacturing specifications.

The **LAN-PHONE 42 HD** is compatible with a wide range of networks ensuring clear speech quality at all times.

The **LAN-PHONE 42 HD** is totally weathersealed for outdoor use in hostile environmental conditions.

Introduction to LAN-Phones

LAN-Phone 42 HD 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 42 HD 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 involve a phone line as it operates more like a computer workstation connected to a computer LAN (Local Area Network).

LAN-Phone 42 HD calling another LAN-Phone

When a LAN-Phone 42 HD 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 42 HD. This application on the server is called a gatekeeper or call manager. Finally the LAN-Phone 42 HD will obtain the IP address of another LAN-Phone 42 HD (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 42 HD Calling to PSTN

A LAN-Phone 42 HD can call and talk with another LAN-Phone 42 HD via the network. In addition, a LAN-Phone 42 HD 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 42 HD 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 42 HD will access the voice gateway and talk with the PSTN telephone via it. Therefore, the voice gateway is a way of bridging from the traditional telephone PSTN to an intranet or LAN network.

FEATURES

The **LAN-PHONE 42 HD** features

- an attractive yellow enclosure, which can be wall or post mounted
- non-mechanical detection of the presence of the handset in its stowage
- a very low Total Cost of Ownership with a high MTBF and low MTTR due to its extremely rugged construction, advanced concepts and reliable components
- the ability to add a variety of beacons or hooters
- electrical connections which may be brought in through a standard gland in the base of the unit
- the case features a degree of protection IP65 min.

OPTIONS

The **LAN-PHONE 42 HD** can have a variety of power sources but comes with Power-over-Ethernet (POE) as standard. It can also have external PSU.

The **LAN-PHONE 42 HD** can have a Handset instead of a Noise-cancelling Headset for less noisy environments (LAN-Phone 42)

The **LAN-PHONE 42 HD** can offer a variety of Hooters/Sounders and beacons for extra noisy environments

The **LAN-PHONE 42 HD** can have a Logo to customer specifications

The **LAN-PHONE 42 HD** can be available in Silver or Black or other attractive colours (consult factory)