



P-LAN

Powerline Home Networks

Equipment for Home Data Transmission
via the Domestic Power Supply Network

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ELCON's 'Goldpfeil P-LAN' telecommunications equipment enables private users to access the Internet via Digital Subscriber Line (DSL) and network a number of PCs easily using the domestic power supply. Using Goldpfeil P-LAN, having to lay a separate set of cables for data transmission in the home is a thing of the past, and you can also benefit from the added flexibility of being able to set up your P-LAN connection in an alternative room at any time if desired. These factors make power line data transmission the simplest and most economical means of home networking around for private users.

ELCON's P-LAN equipment includes P-LAN connectors for USB or Ethernet interfaces as well as optional software with which to set up several independent user groups via one and the same cable network. A P-LAN network consists of at least two connectors and can be expanded at any time by further connectors. Thanks to its plug & play technology, it is not only possible to create and operate a classic PC-to-PC network at home, but DSL-based access to the Net can also be shared among users.

ELCON's P-LAN products close the technological gap that existed up until now in the home networking sector – they are simple to use, powerful and safe.



P-LAN Connector Ethernet



P-LAN Connector USB

Advantages of P-LAN

- Simple and quick installation
- Broad bandwidth for Ethernet connections (10Base-T)
- High network range even when the walls of the building are very thick (in contrast to wireless applications)
- High degree of data security due to 56-bit encoding
- Complete flexibility regarding set-up of connections anywhere in your home
- Low investment costs

P-LAN Devices

Goldpfeil P-LAN equipment is available in two models, USB or Ethernet.

The USB connector establishes the connection between the electrical power supply in your home and the USB interface of your PC. Its small size and integrated AC adapter make it particularly user-friendly. The P-LAN connection established between the connectors does not require any special installation, as it is created using plug & play technology; the USB installation software for your PC is included in the scope of delivery. By using several USB connectors, you can create a PC network very easily.

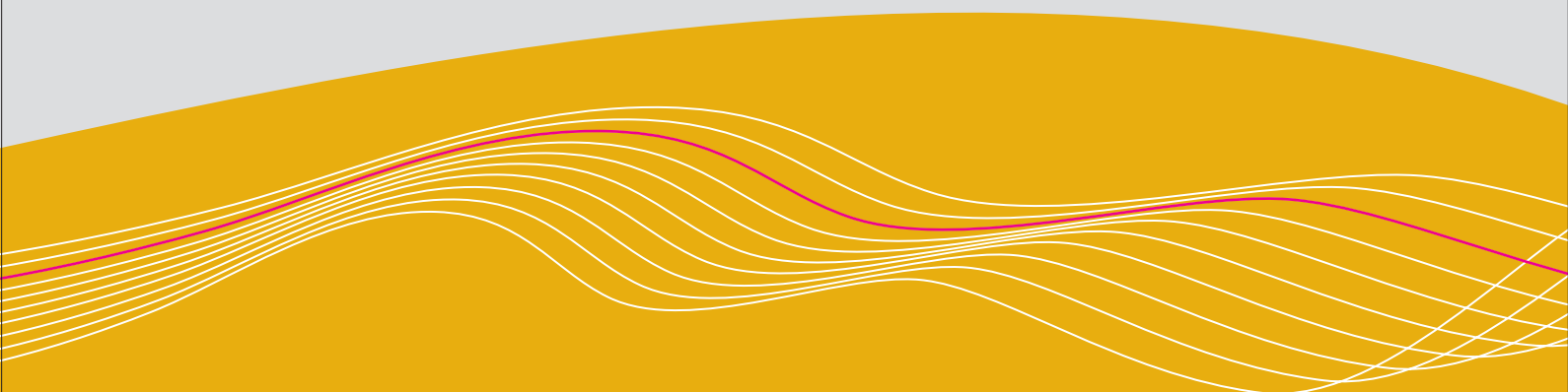
The Ethernet connector establishes the connection from your ADSL modem or router to the domestic power supply. The remote device receiving the data from the ADSL connection contains an additional P-LAN Ethernet or P-LAN USB interface. Besides being able to network PCs directly, it is also possible to integrate a router, hub or switch into the communications system if desired; an Ethernet connector and one or more USB connectors can be coupled to a PC DSL network, too. If a number of PCs are to be networked with one another directly, different types of connectors can be used at the ends of the connection; they do not have to be of the same type.

ELCON's Goldpfeil P-LAN equipment permits the use of various computer applications in order to network computers, and computer accessories can be utilised by multiple users.

The various product variants consisting of a Goldpfeil P-LAN connector with an Ethernet or USB interface can be purchased as a complete package including the necessary hardware and software accessories.

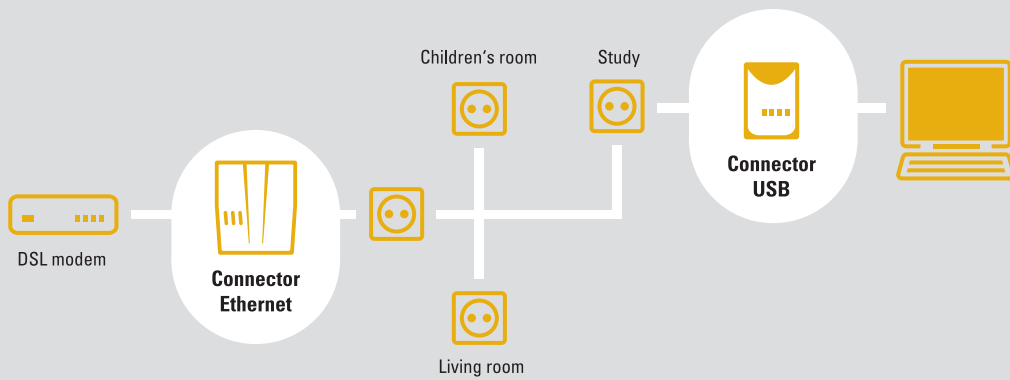
Technical Data

Interfaces	USB, version 1.1 or 10Base-T (IEEE802.3)	
	Maximum data rate	14 Mbps
Mains voltage	230 V/50 Hz or 110 V/60 Hz (depends on country)	
Housing	USB connector:	Housing with an integrated AC adapter, H x W x D: 90 x 65 x 77 mm
	Ethernet connector:	Wall/table-top housing, H x W x D: 32 x 115 x 130 mm
Software provided	Driver and security software for Windows 98SE/ME/2000/XP	
Ambient conditions	Transport/storage:	-25° to +55°C
	For operation:	0° to +45°C
Electrical parameters	Power draw	Ethernet: < 5 W
	Power draw	USB: < 1.5 W



Example of Application

Extension of the Range of the DSL Connection



Set-up of a Home Network

