

Up to 200 Mbps

Data via powerline  
or coax cable

High range



# dLAN® 200 AVpro

Broadband communications via existing  
in-house powerlines and coax cable

## Overview: Powerlines or coax cables

dLAN 200 AVpro offers networking over in-house powerlines and coax cables. Taking advantage of existing infrastructure enables quick and easy installation of a network with no need for construction work. Network devices such as modems/routers, PCs, IP telephones, set-top boxes, printers, surveillance cameras, information terminals, cash registers, etc. are integrated by Ethernet interface.

The attractive price-performance relationship ensures a rapid return on investment (ROI).

## Product highlights

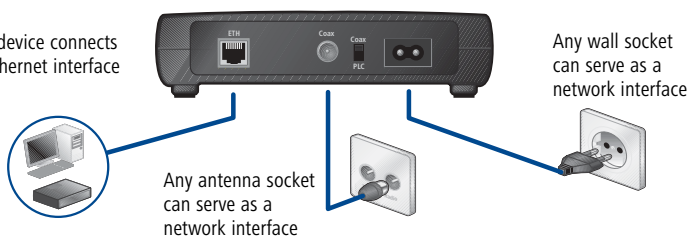
- Transfer rates of up to 200 Mbps are ideal for triple-play applications such as VoIP telephony, Internet TV, video-on-demand and data communications.
- Integrated Quality of Service (QoS) for data prioritisation
- Quick and simple installation
- Scalable expandability with additional dLAN 200 AVpros
- No changes to antenna networks are necessary; for use with treebranch or star topology
- Coexists with traditional TV technology
- Range: 200 m via powerline and 800 - 1,500 m via coax cable
- High attenuation budget (>65 dB)
- Highly robust against line interference
- Secure data encryption
- Patented power-saving mode Energy consumption on standby automatically reduced by up to 30%.
- 10/100 Mbps Ethernet interface (Auto MDI/X)

## Target groups:

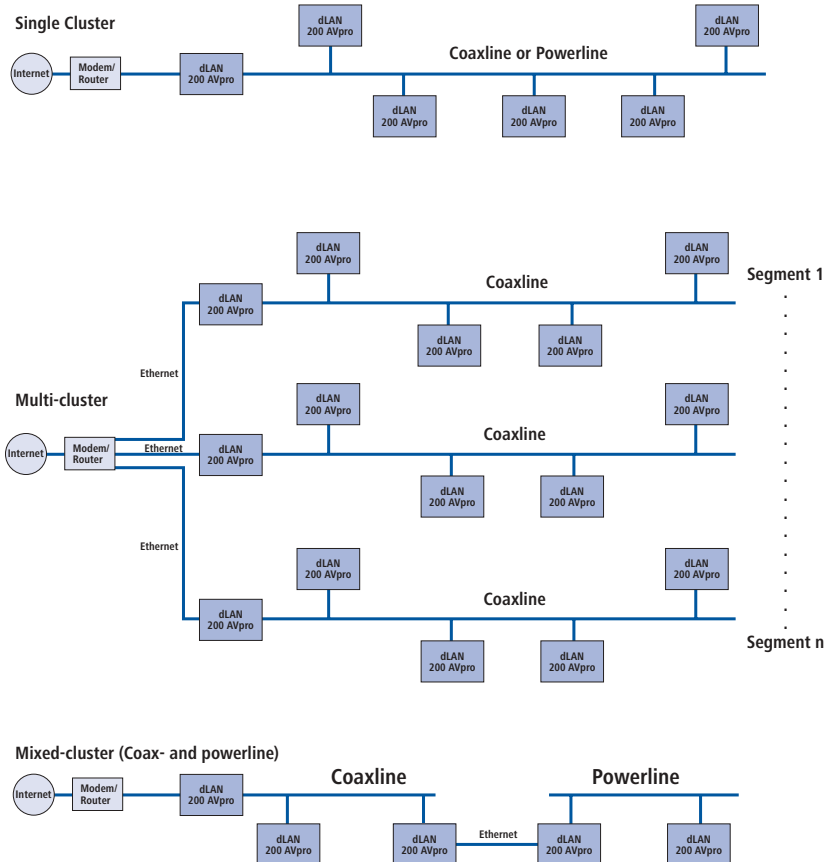
Hotels, smaller apartment blocks, homes for the aged, schools, medical practices, law firms, hospitals, cash-register networking...

## Connections

Network device connects via the Ethernet interface



## Cluster-size up to 16 adapters



## Features, dLAN 200 AVpro



### General

- Coax and powerline networking adapter
- Flexible and scalable solution for constructing segments with up to 16 adapters per segment
- Transmission frequency range: 2 MHz - 30 MHz

### Standards

- Ethernet specification IEEE 802.3, IEEE 802.3x, IEEE 802.3u, Auto MDI / X
- HomePlug AV

### Protocols

CSMA/CA

### Data transfer rate

Up to 200 Mbps (gross)

### Transfer method

Asynchronous

### Modulation

OFDM - 1155 carriers, 1024/256/64-QAM, QPSK, BPSK

### Range

- Coax cable: 800-1,500 m
- Powerline: 200 m

### Security

128-bit AES data encryption

### QoS

Analysis and classification of data traffic with:

- VLAN tag priority IEEE 802.1p
- Type of Service (ToS)
- IGMP snooping
- Connection type (unicast/multicast/broadcast)

### Dimensions

153 x 108 x 35 mm  
(width x depth x height)

### Weight

243 g

### Accessories

- Ethernet cable RJ45-RJ45 (Cat 5)
- Power cord
- Coax adapter
- Coax cable
- HF filter
- Documentation: Installation guide
- CD-ROM: PDF manual, configuration software for Windows® Vista<sup>32bit</sup>/Vista<sup>64bit</sup>/XP<sup>32bit</sup>/2000, Linux®, Mac OS® X, Additional software: devolo Informer, devolo EasyShare, devolo EasyClean

### Status displays and connectors

#### LEDs

- Power
- Coax or powerline
- 100 Mbit LAN interface
- 10 Mbit LAN interface
- Collisions on LAN

#### dLAN connection

- EURO power plug
- Coax (F socket, female) 75Ω

#### Equipment connection

10/100 Mbps Auto MDI/X

### Internal power adapter

#### Power consumption

5.5 W (max.)

#### Power supply

AC 100 – 240V 50/60Hz

### Environment

#### Temperature

Storage: -25°C – 70°C

Operation: 0°C – 40°C

#### Humidity

10 – 90% humidity (non-condensing)

### System requirements

#### Equipment interface

Ethernet interface

#### Operating systems

Windows® Vista<sup>32bit</sup>/Vista<sup>64bit</sup>/XP<sup>32bit</sup>/ 2000, Linux®, Mac OS® X, all TCP/IP operating systems, and others

### Certification

#### Approvals

CE compliant in accordance with all technical requirements for all EU countries and Switzerland:

- EN 55022
- EN 50412
- EN 60950

## dLAN 200 AVpro compared with other devolo products

	dLAN 200 AVpro / dLAN 200 AVpro i	dLAN 200 DSpro
Max. segment size without repeaters	16 adapters	32 clients + 1 master
Remote management	no	yes, via SNMP, Telnet
Peer-to-peer isolation	no	yes