

**Professional  
networking solutions  
via existing cable networks**

dLAN<sup>®</sup> Business Solutions





**Easy.**  
**Inexpensive.**  
**Fast.**

## dLAN® – for professionals.

As the leading provider of in-house powerline solutions, devolo guarantees innovation and quality. With the dLAN® Business products devolo has developed a new performance class of professional dLAN® products that have been designed particularly with the needs of business users in mind. Here, devolo focuses on two large areas: simple networking of large buildings using dLAN® as well as integrating dLAN® technology in different network-compatible devices.

Together with leading IT manufacturers, partners, and specialists from the RWTH Aachen University in Germany (one of Germany's largest universities of technology), devolo is developing solutions that are reliable and easy to use. Nothing is left aside when it comes to the quality of the devolo products. That is why devolo dLAN® Business Solutions are found in applications in many fields in which quality takes



top priority. devolo Business Products are used in hotels, apartment complexes, educational establishments, hospitals and care homes. Twenty years of development expertise: devolo knows what its customers want.



**Hotel multimedia.  
More service.  
More satisfied customers.**

## dLAN<sup>®</sup> in hotels.

### What guests want.

A television in a hotel room has long been considered standard equipment. But today's hotel guests expect something more. They want the full TV package, video on demand and highspeed Internet. The ability to send e-mail or look up information on the Internet goes without saying. The availability and quality of these services determine how satisfied the guests will be, and whether or not they will return. The prerequisite to success? A broadband network. But how, retroactively, does one implement a broadband IP network in a hotel both efficiently and inexpensively?



### The solution is in the wall.

The solution is very close. It's in the wall. Every hotel is already equipped with a data network: the antenna, mains and telephone grids. These three networks of cable can be used by dLAN<sup>®</sup> Business products in a hotel building to carry data, voice, video and TV in guest rooms. This technology has an obvious advantage – no need to install a new cable network means keeping cost and effort to a minimum. No additional lines need be laid nor holes drilled. The act of installing a dLAN<sup>®</sup>-based network is easy, quiet and fast, and does not interrupt existing services. This is particularly important in the hotel business.

### Inexpensive network.

With devolo dLAN<sup>®</sup> technology, broadband Ethernet network connections are established using existing cable networks (antenna, mains or telephone wiring). This does not require the installation of any new cables, and the existing cable network needs no modification. dLAN<sup>®</sup> technology is scalable, and can be installed for 2 to 1000 subscribers. Because of the simple installation which uses the existing cable network, the network can grow as the number of users grows. This conveniently eliminates the need for a high initial investment.



**Triple Play in apartment complexes.**  
**Shared usage.**  
**Lower cost.**

## dLAN® in residential buildings.

### Value added generates added value.

Apartment building contractors and real estate owners have known it for a long time: Highly valued flats require high-value accoutrements. This also applies to the services that are offered in the flats. Triple Play services are the magic words. The advantages of providing television, IP telephony and Internet via one provider pay off. Reason being, of course, that better-equipped flats are simply a better value!

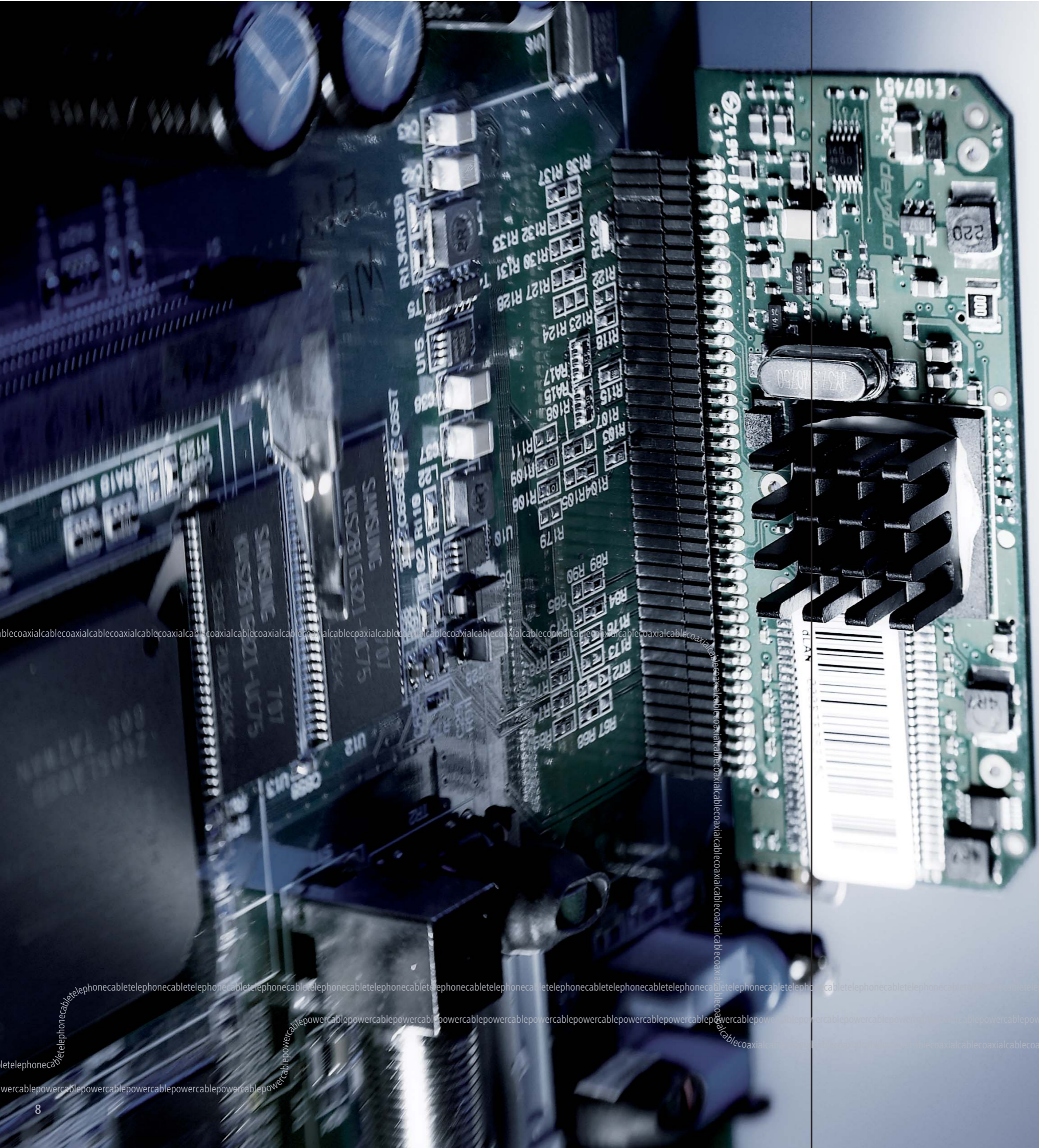
### Why lay cables?

To provide Triple Play services in a residential building, you do not have to install a single new cable. dLAN® Business products let you provide data, voice and TV services in residential flats using existing antenna, electrical and telephone lines in the building.

The easy installation of dLAN® Business products also allows you to begin initially with a smaller number of nodes. dLAN® is perfectly suited for converting small and mid-size cable networks, where converting to DOCSIS, for example, would be too expensive, into powerful IP networks. And doing so requires no modification to the cable network.

### Networks without limits.

A weighty cost factor, which is worth closer consideration, is associated with the distribution and the use of Triple Play services within a residential building, from the transfer point to the occupant. With devolo dLAN® technology, broadband Ethernet networks can be established using a building's existing cable networks (antenna, mains or telephone wiring). The costs of this method are considerably advantageous, because no new cable has to be laid, and no modifications have to be made to the building's existing cable grid. Compared to converting to DOCSIS, dLAN® technology also offers the benefit of a significantly lower initial cost of investment. For housing companies, dLAN® opens the door to brand new possibilities: in addition to classic Internet, IPTV can now be distributed into individual flats. Not only does centrally controlled IPTV offer an enormous selection of programmes, but it also eliminates the eyesore of satellite dishes outside of windows and on balconies.



**Fast.**  
**Easy.**  
**Reliable.**

## dLAN® integration.

### Simply integrate.

The possibilities offered by a dLAN® network are nearly unlimited. What could be more obvious than integrating dLAN® technology into end devices directly? As a specialist in this market segment, devolo offers various levels of integration with various integration depths.

[Learn about the possibilities!](#)



### Two cables – one solution.

The dLAN® Power Supply 200-18 is the simplest integration option by devolo. dLAN® Power Supply 200-18 is a power supply and HomePlug adapter in one. End devices with existing Ethernet interfaces can be connected to a dLAN® network with absolute ease. A dLAN® Power Supply 200-18 can be used to supply power to end devices while data are transmitted simultaneously via the electrical mains wiring at up to 200 Mbps. A single mains outlet is enough for the power supply. As such, manufacturers and system integrators can offer the ability to integrate dLAN® technology without the need to modify the end product.

### Modular integration.

devolo provides a further option of integrating dLAN® with dLAN® 200 AVminiPCI, a device that utilises a standardised interface. Integrating the dLAN® 200 AVminiPCI is particularly easy. If there is a Mini PCI Interface in the product, the dLAN® 200 AVminiPCI is simply inserted or replaced. For coupling data on the power wiring, devolo provides the dLAN® Coupling Device as a "blackbox", which is connected to the dLAN® 200 AVminiPCI via plug-in connection as well as to the power supply of the product. The dLAN® 200 AVmodule, which serves as a plug-in connection for devices and components, is another integration option from devolo. The dLAN® 200 AVmodule is equipped with a MII interface. Because it's a plug-in connection, it provides an economic solution for business customers who wish to integrate the well-known HomePlug-AV technology directly in industrial or consumer products.



