

MegaLine®@home

One network – all the options



The Quality Connection

LEONI

LEONI & partners competence on all levels and a one-stop solution

Qualified electricians, specialist wholesalers and LEONI – an unbeatable combination

The combination of qualified electricians, specialist wholesalers and manufacturer provides users like you with a wide range of options displaying great product diversity, the highest possible availability and maximum expert competence on all levels.

With MegaLine®@home, LEONI provides the basis for your home network. In addition to high-quality products, it has over 20 years of experience with network system technology to offer. The individual products are manufactured in Germany according to the highest possible industrial and environmental standards and exceed all current data engineering standards.

Expert competence

LEONI

- German manufacturer of professional data networks
- Maximum competence with products for data transfer
- Product quality on the highest possible level for future-proof security systems

Specialist wholesalers

- Competence and counselling for active components and solution approaches
- All-in concept for home solutions ranging from power distribution and lighting to data
- Fastest possible availability

Qualified electricians

- Trained personnel for installing the data network on site
- Individual requests can be taken into account
- Put your trust in maximum product quality and tried-and-tested compatibility



MegaLine®@home – all the data come together

Convenience for your home – a data network for life

In the near future, we will be able to manage and use our entire home environment using just a few displays like TVs, smartphones or tablets. We will be able to use applications such as watching television, gaming, streaming and saving as well as controlling electrical appliances and lighting, HVAC and security systems more and more universally.

With data rates of up to 10 Gbit/s, data will be available from any data outlet in a flash. Films, images and music will take just a few minutes to download, and surfing the Internet will become a real experience.

With MegaLine®@home, LEONI provides the necessary neutral data network. As with power distribution, any data outlet will be able to power any application. With the right modules, you can adjust the building control systems or control the hard drive recorder remotely when you're away from home. Connecting the WLAN is child's play too.

Convenience, entertainment, building automation and security are high-priority topics for MegaLine®@home, which is also open to integrating other systems and solutions.

Basic components

MegaLine® Box:

The MegaLine® Box is the switchboard for your network. All components can be mounted cleanly and are protected from unauthorized access. All applications in the house are distributed and controlled from here. It is available in many different colours and can be integrated into the furniture (minimum inside dimensions: 55 cm).

MegaLine® home 600

The MegaLine®home 600 data cable forms the backbone of the network and transfers all data to the wall outlets at a speed of 10 Gbit/s. This optimally prepares the data network for a long service life. Related products even help to ensure the power supply to appliances or make connections outside of the home

MegaLine® Connect

The jacks and plugs of the MegaLine® Connect series are the interfaces between cable and wall outlet and allow the high data rates to be used for everything.

MegaLine® Patch

MegaLine Patch patch cords and trunk cables distribute all applications in the MegaLine® box to the connections and connect the devices at the wall outlets. They form the final link in the transmission chain.

Convenience components

Components:

Active devices are necessary in order to turn the LEONI basic network into a real multimedia network.

For this purpose, specialist suppliers provide an extensive supply program that leaves nothing to be desired.

- Telephone systems & WLAN routers
- Switches
- IP video cameras
- BUS systems
- Repeaters
- Satellite systems
- Sensors & actuators
- End devices
- Installation materials



Convenience for all

A data network is the basis for the distribution of all the data within a household. This makes it easy to access data stored centrally such as images, films or music, and it is child's play to control heating, lighting and alarm systems.

In addition, of course, you have no problems connecting to the Internet, making gaming, surfing and streaming films and images truly enjoyable.



Communication

Fast surfing and telephoning are merging more and more. With the MegaLine®@home data network, we are ready and waiting for the expansion of the network, for we are already in a position to transfer up to 10 Gbit/s.

- Voice over IP
- Telephone, fax, scanner, smart phone, tablet
- PC, laptop



Entertainment

Watching television, surfing, listening to music, viewing photographs or streaming – all services are available all over the house at all times. The neutral network structure even allows these applications to be changed around. MegaLine®@home interconnects all devices and turns the television into a slide projector or hi-fi system.

- TV, TV over IP, photographs
- Gaming consoles
- Music, radio
- PC, surfing, tablets
- Power over Ethernet (PoE)



Home technology

Have you forgotten to turn off the light? Is the cooker still on? No problem! All devices can be controlled conveniently via the internal BUS system when you're away from home.

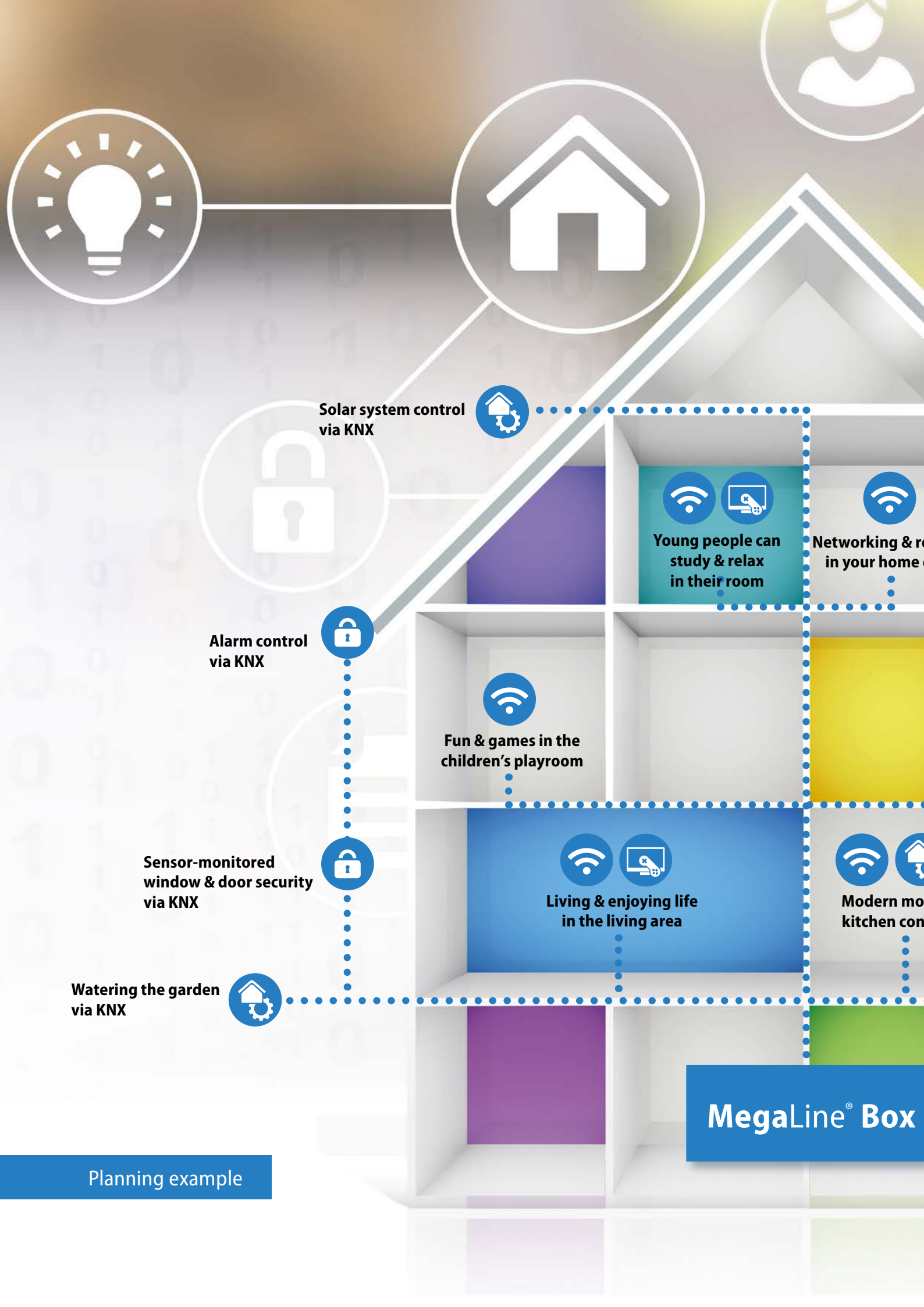
- Heat, light, shade
- Household appliances
- Presence & smoke detectors
- Renewable energies, watering the garden



Security

No matter whether you're using external surveillance, presence detectors or alarm systems: MegaLine®@home makes the connection, keeping you informed of the situation at home at all times.

- Network security
- Alarm systems
- Surveillance cameras
- Access control & access security



Solar system control
via KNX



Young people can
study & relax
in their room



Networking & r
in your home



Alarm control
via KNX



Fun & games in the
children's playroom



Modern mo
kitchen con

Sensor-monitored
window & door security
via KNX



Living & enjoying life
in the living area



Modern mo
kitchen con



Watering the garden
via KNX



MegaLine® Box

Planning example

Building technology & multimedia



relaxing
office



Resting & relaxing
in the bedroom



IP video camera



mobile
control

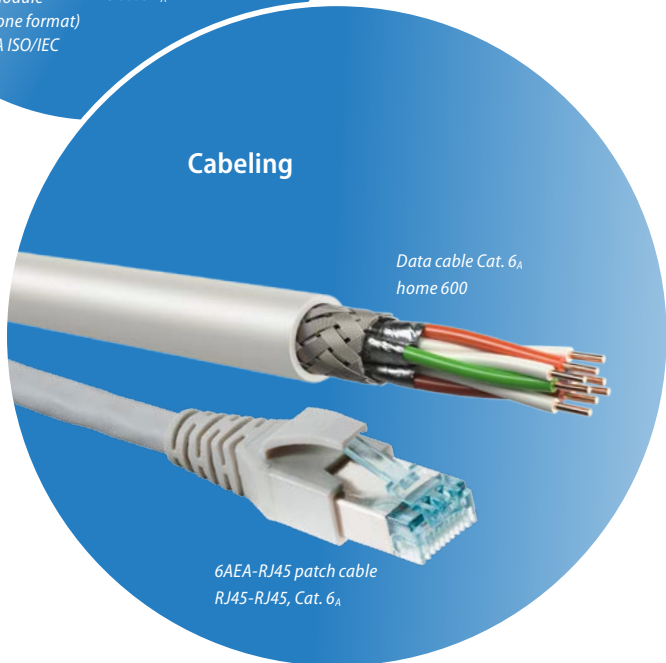
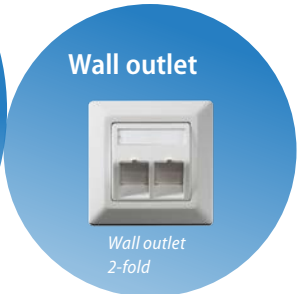
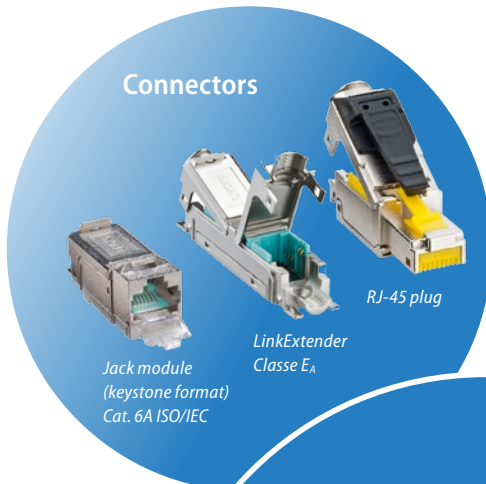
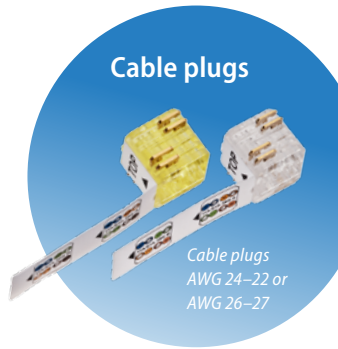


Panic button
via KNX



Mobile & modern
system control

MegaLine®@home – at a glance



Product	Order no.
MegaLine® home 600, 350 m	LK9 7KS7 0304 0035
MegaLine® home 600, 100 m	LK9 7KS7 0304 0010
MegaLine® Box 5 RU 19" + 4 RU 10"	LKD 9ZE6 2001 0000
MegaLine® Connect45 jack module (keystone format) Cat. 6A ISO/IEC	LKD 9A50 1010 0000
MegaLine® Connect45 LinkExtender Class EA shielded without cable plug	LKD 9A50 0010 0000
MegaLine® Connect45 RJ-45 plug, suitable for on-site assembly	LKD 9A50 0020 0000
Keystone wall outlet, 2-fold, suitable for multiple designs	LKD 9A50 1110 0000
24-port Keystone patch panel fixed/blank	Grey ● LKD 9A50 1200 0000 Black ● LKD 9A50 1201 0000
MegaLine® Connect45 Mounting tool	LKD 9A50 4001 0000

Product	Order no.
MegaLine® Connect45 Protecting cap (PU = 25 pcs.)	LKD 9A50 4003 0000
MegaLine® Connect45 Cable plugs AWG 24–22 AWG 26–27 (PU = 25 pcs.)	LKD 9A50 4010 0000 LKD 9A50 4011 0000
Stripper for PIMF foil	LKD 9AW1 6043 0000
MegaLine® Patch 6AEA-RJ45 patch cable RJ45-RJ45, Cat. 6A shielded, 4-pair	●● 1.0 m LKD 9A02 3021 0000
	●● 3.0 m LKD 9A02 3025 0000
	●● 1.0 m LKD 9A02 3031 0000
	●● 3.0 m LKD 9A02 3035 0000
	●● 1.0 m LKD 9A02 3041 0000
	●● 3.0 m LKD 9A02 3045 0000
	●● 1.0 m LKD 9A02 3051 0000
	●● 3.0 m LKD 9A02 3055 0000
	●● 1.0 m LKD 9A02 3061 0000
	●● 3.0 m LKD 9A02 3065 0000

* Also available in other commercial lengths and colours on request

Find out more:

Business Unit Datacom
www.leoni-data.com

LEONI Kerpen GmbH

Zweifaller Strasse 275–287

52224 Stolberg

Germany

Phone +49 2402 171

Fax +49 2402 75154

E-mail datacom@leoni.com