

FRITZ!Powerline 510E



The home network at every outlet

FRITZ!Powerline is the ideal extension to the home network using the home's own electrical wiring. Any socket can be turned into a secure, fast network connection in no time at all, with transmission speeds of up to 500 Mbit/s over the power lines. FRITZ!Powerline is especially energy efficient in connecting the FRITZ!Box, PC, printer, TV, sound system, Blu-ray player and other network devices via LAN port (up to 100 Mbit/s). When combined with the FRITZ!Box, FRITZ!Powerline dovetails with the home network, where it can be controlled using a web interface on any tablet or smartphone.

For first configuration, FRITZ!Powerline is available in a practical set with two identical adapters. Launching operation is quite simple – just insert each adapter into an outlet and connect them with the LAN cable to the FRITZ!Box or other network device, like a PC, stereo system or TV. No additional configuration is required. Secure 128-bit AES encryption is enabled upon delivery.

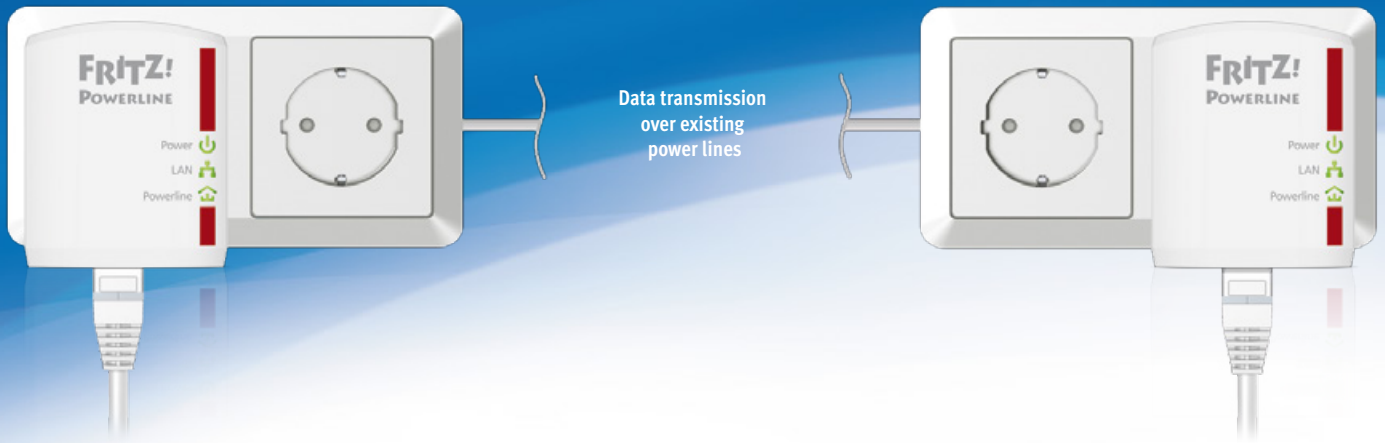
With additional powerline adapters other devices can be integrated into the home network to supplement existing solutions.

FRITZ!Powerline – Critically acclaimed:



Highlights at a Glance

- Expands the home network using the wiring in your house
- Powerline with up to 500 Mbit/s
- Immediately ready for operation at any outlet without any software installation
- Networks the FRITZ!Box, computers, printers, TV, sound system, game consoles, media players, Blu-ray players and much more
- 100 Mbit/s LAN port (Fast Ethernet)
- Especially efficient during operation and economical on standby
- Secure upon delivery with 128-bit AES encryption
- Network additional adapters safely and securely at the push of a button



Technical Features

- Expands the home network using the wiring in your house
- Operation at every outlet without any software installation
- Powerline data rate of up to 500 Mbit/s*
- Networks the FRITZ!Box, computers, printers, TV, sound system, Blu-ray players, game consoles, media players and other network devices over Fast Ethernet
- Particularly energy efficient with less than 2 watts during operation; under 0.5 W on standby
- 500 Mbit/s according to the powerline standard IEEE P1901: Stable connections over great distances in the network
- Quality of Service: Data prioritization for video transmission and Internet telephony free of interference
- Multicast: Supports multicast sessions using IGMP
- Encrypted securely upon delivery: 128-bit AES link encryption and key management
- Compatible with powerline adapters supporting rates of 500 and 200 Mbit/s and the IEEE P1901 standard, coexistence with older powerline adapters
- Support for IPv6
- Status display with 3 LEDs

FRITZ!Powerline Network

- Fast operation launch without laying any cables
- Any outlet becomes a network port
- Network configuration by Plug & Play: Insert the adapters in the sockets and connect them by LAN cable to the FRITZ!Box or the device to be networked (for instance, PC, stereo system, TV)
- The powerline network can be expanded with a simple click of a button
- High-speed network for video, voice and data applications
- Perfect integration into the FRITZ!Box home network with control over the web browser (fritz.box)
- Clear graphic user interface with display of all powerline adapters deployed in the network incl. performance data
- Expanded functions with the FRITZ!Powerline software at <http://www.avm.de/en/powerline> (Windows 8, 7, Vista and XP)

Ports and Interfaces

- Connection to mains with 230 V~, 50 Hz, to outlets for type C plug (Euro, CEE 7/16) and type F plug (Schuko, CEE 7/4)
- 1 x Fast Ethernet (10/100 Base-T, RJ45 jack) for FRITZ!Box, PC, TV, printer, stereo system, Blu-ray player and more

Device Properties

- Dimensions (W x H x T): approx. 61 x 114 x 48 mm
- Weight: approx. 186 g
- Supply voltage: 230 V~, 50 Hz

Support

AVM's service includes comprehensive service portals, regular free updates and e-mail support.

Highly Recommended

The IT press has repeatedly commended FRITZ! products for their user-friendliness and high security standards.

* Gross value. The user data rate that can actually be achieved is somewhat below the specified values.

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