



Preliminary

PLC 1500+

Generation Gigabit! The High-End Powerline solution.

The fastest Internet from an electrical socket - Build easily today's most powerful home network over the power line: connect your network-compatible devices at speeds up to 1,500 Mbps for advanced data transmission, lightning-fast Internet access and best IPTV-Entertainment.

devolo PLC The home network from the power outlet. Unpack. Plug it in. Get started. The easy way to connect using your home's power lines. Turn any power outlet into an Internet access point.

1500 Mbps High-performing 1,500 Mbps for lightning-fast data transmission such as broadband Internet, 3D entertainment and 4K multimedia streaming.

Gigabit Ethernet The adapter is equipped with a Gigabit LAN connection for connecting a network-compatible device.

Integrated socket The integrated electrical socket ensures that no power outlet is lost! You can connect terminal devices and power strips directly to the adapter.

Automatic encryption! Active protection from unauthorised access at the touch of a button (AES). From the very start!

PowerSave technology The exclusive PowerSave technology from devolo provides minimum energy consumption that is continuous, intelligent and entirely automatic.

MIMO TECHNOLOGY For the intelligent use of all 3 physical wires in a power circuit to double the data throughput. devolo's MIMO-Technology enables to reach more power sockets and offers a higher coverage within a home network.

Remote Management TR-069 SUPPORT The adapter offers TR-069 remote configuration for excellent and cost-efficient customer support. TR-069 enables a comprehensive remote error analysis for Internet service providers, right down to the PLC adapter.

Highlight

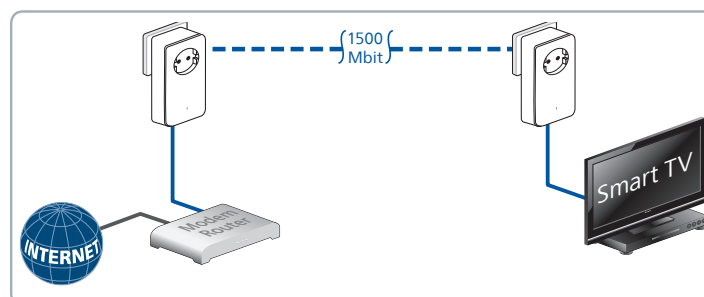


MIMO TECHNOLOGY

Using all three wires of the power line MIMO technology has been integrated into devolo Powerline adapters to provide consistent, high-level data communication and maximum coverage. This means all three wires of the power cable are used for data transmission, the phase, neutral conductor and earth wire. In this setup, MIMO provides a simultaneous connection over the phase and neutral conductor as well as the phase and earth wire or the neutral conductor and earth wire. Transmission over two channels enables a significantly higher transfer rate. Communication via the phase and neutral conductor also ensures compatibility with former generations of Powerline.

Technical data

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3az, IEEE 802.1p Auto MDI/X
Processor	QCA 7550 (Qualcomm Atheros) // TR 069 possible
Protocols	CSMA/CA (Powerline)
Transmission speeds & methods	Ethernet 10/100/1000 (mbps) Powerline 200/500/600/1200/1500 (mbps)
Modulation • Carrier	Powerline OFDM - 4096/1024/256/64-QAM, QPSK, BPSK • Powerline 2880
Range (in m)	Powerline: 400
Security	128-bit AES encryption via powerline, pairing: can be activated directly by pressing a button (random key) or manually and individually using software
LED	Multi function
Socket / Connector / Countries	DE, NL, ES, PT, AT, SE, FI, NO, GR, HU, LU: Typ F (CEE 7/4) / Typ F (CEE 7/4), FR, BE, PL: Typ E (CEE 7/5) / Typ E + F (CEE 7/7)
Device port	Ethernet RJ45
Power output	230 V / 16 A max. (to integrated socket), Attenuation filter: 2-68 MHz
Filter characteristics	-22 db to -45 db
Power consumption	Maximum W/A: ~4.3 / 0.1, Typical W/A: ~3.1 / 0.1, Stand-By W/A: ~0.7 / 0.1
Power supply	Internal, 196-250 V AC, 50 Hz
Temperature	-25°C to 70°C (Storage); 0°C to 40°C (Operating)
Dimensions and weight	131 x 66 x 42 mm (height x width x depth). Approx. 220 g
Ambient conditions	10-90% Humidity (non-condensing)
Compatibility	Compatible with 200/500/600/1000/1200 Mbps HomePlug AV
Quality of service Features	<ul style="list-style-type: none"> • Data prioritisation for quality assurance of real time applications (e.g. VoIP or IPTV) • FEC (Forward Error Correction) and Retransmissions • 4 priority levels • Priority levels can be adapted individually for the application (depending on the project)
Buttons	Encryption button (for pairing the adapters)
Certifications	CE Class B (EU, CH, NO)



Professional solutions with devolo