

500  
Mbps

Fast  
Ethernet

2 x LAN

Integrated  
socket

range+  
extension  
TECHNOLOGY



# PLC 550+ Duo

The next-generation-network from the power outlet.  
Unpack. Plug it in. Get started.

It's the easy way to connect using your home's power lines. Turn any power outlet into an Internet access point. Since this adapter is equipped with 2 Fast Ethernet LAN connections, you have the option of connecting another device to the Internet at any time.

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.

500  
Mbps

Transmission rates of up to 500 Mbps: Ideal for all types of data transmission in the home network, broadband Internet throughout the home, 3D entertainment and multimedia streaming in every room as well as multi-room entertainment.



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!



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

No.1  
Best-selling  
Powerline adapters  
in Europe

Rely on the Number 1—and your global market leader for Powerline home networking. As usual, with maximum performance, exclusive technologies and international patents.

range+  
extension  
TECHNOLOGY

By using a new way of transmission, devolo's innovative range extension Technology enables to reach more power sockets and offers a higher coverage within a home network.

## Highlight

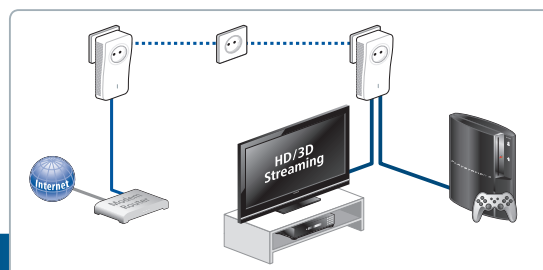


### Always best connected

With the innovative range extension Technology, devolo ensures the best possible connection between the devolo PLC adapters within a home network. The added use of the earth wire allows data communication over all three physical wires in a power circuit for the first time ever – while, of course, still retaining the full protection provided by the earth wire. The result is an even higher data transmission performance, with maximum range and an improved Powerline network coverage in the entire building. As opposed to usual Diversity and SmartLink systems, range extension Technology features optimised coupling to the earth wire. devolo PLC OEM products make it easy – for you and your customers. You offer a reliable, cost-efficient and scalable networking solution which grows with your product range. Your customers enjoy the extreme ease of configuration.

# Technical data

<b>Standards</b>	Ethernet specifications IEEE 802.3, IEEE 802.3x, IEEE 802.3u, Auto MDI / X, HomePlug AV, IEEE 1901
<b>Processor</b>	QCA 7420 (Qualcomm Atheros)
<b>Protocols</b>	CSMA/CA (Powerline)
<b>TR 069</b>	NO
<b>Transmission speeds</b>	Ethernet 10/100 (mbps), Powerline 200/500 (mbps)
<b>Transmission method</b>	asynchronous
<b>Modulation • Carrier</b>	OFDM - 2880 carriers, 4096/1024/256/64-QAM, QPSK, BPSK
<b>Range Extension Technology</b>	Yes
<b>Data path</b>	Ethernet <-> power supply grid (2 paths)
<b>Range (in m)</b>	Powerline: 300
<b>Security</b>	128-bit AES encryption via powerline, pairing: can be activated directly by pressing a button (random key) or manually and individually using software
<b>LEDs</b>	Power (multi)
<b>Socket / Connector / Countries</b>	DE, NL, ES, PT, AT, SE, FI, NO, GR, HU, LU: Type F (CEE 7/4) / Type F (CEE 7/4), FR, BE, PL: Type E (CEE 7/7) / Type E + F (CEE 7/7 + CEE 7/4), UK, CY: Type G (BS 1363) / Type G (BS 1363), CH: Type J (SEV 1011) / Type J (SEV 1011)
<b>Device port</b>	Ethernet RJ45
<b>Power output</b>	230 V / 16 A max. (to integrated socket)
<b>Attenuation filter</b>	2-68 MHz
<b>Filter characteristics</b>	-22 db to -45 db
<b>Power consumption</b>	Maximum 0.1 A - with Maximum: 4 W, Typical: 3 W, Stand-by: 0,3 W
<b>Power supply</b>	internal, 196-250 V AC, 50 Hz
<b>Temperature</b>	-25°C to 70°C (Storage); 0°C to 40°C (Operating)
<b>Weight of adapter</b>	240 g
<b>Dimensions</b>	130 x 66 x 42 mm (height x width x depth)
<b>Colour</b>	white (can be defined as desired in project)
<b>Ambient conditions</b>	10-90% Humidity (non-condensing)
<b>Additional BOM</b>	Ethernet cable (2 meters), installation flyer, CD, additional bill of materials can be selected in the project
<b>Compatibility</b>	Compatible with 200/500/600 Mbps HomePlug AV
<b>Quality of Service Features</b>	<ul style="list-style-type: none"><li>• Data prioritisation for quality assurance of real time applications (e.g. VoIP or IPTV)</li><li>• FEC (Forward Error Correction) and Retransmissions</li><li>• 4 priority levels</li><li>• Priority levels can be adapted individually for the application (depending on the project)</li></ul>
<b>Buttons</b>	Encryption button (for pairing the adapters) – can optionally be equipped with a „Reset“ function
<b>Operating systems</b>	Windows® 8 32/64-bit, Windows® 7 32/64-bit, Vista 32/64-bit, XP 32-bit, Linux®, Mac OS® X and all operating systems with TCP/IP support
<b>Certifications</b>	CE Class B (EU, NO, CH)



## Professional solutions with devolo

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**devolo**  
The Network Innovation