PLC 550+ WiFi

PLC combined with Wi-Fi! Perfect for all IPTV-Streams

This PLC & Wi-Fi adapter is an IPTV-Expert and perfect for Multi-Room IPTV-Scenarios, HD/3D Video-Streaming or Video-on-Demand. And due to the integrated electrical socket, no power outlet is lost.

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 — High-speed data transmission at powerline speeds of up to 500 Mbps and a Fast Ethernet connection for connecting an additional terminal device (such as Smart TV, Set-Top-Box, etc.).

WiFi n — Easy set-up of Wi-Fi zones (Wireless access points) in the PLC home network. Optimum Wi-Fi coverage in any desired room or any floor of the home. The best Wi-Fi connection for smartphones, laptops and tablets.

range+ 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.

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 for Wi-Fi (WPS) and PLC (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.

TR-069 SUPPORT Remote Management — 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

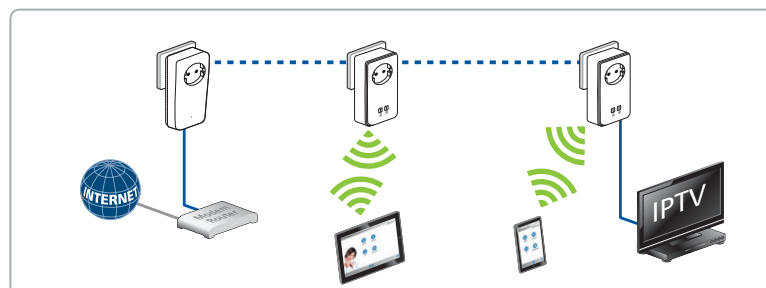**WiFi Sync Technology** | **RANGE EXTENSION TECHNOLOGY +**

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. With WPS Clone and WiFi Sync Technology, devolo has developed a one-of-a-kind technology for the best possible Wi-Fi coverage throughout the home. Multiple Powerline-based Wi-Fi access points set up a building-wide Wi-Fi network. In this way, UMTS network capacities are preserved and high bandwidths are guaranteed for all digital services. You offer a reliable, cost-efficient and scalable networking solution. Your customers enjoy the extreme ease of configuration.

Technical data

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, Auto MDI/X, IEEE 802.11 b, g, n (2,4 GHz Single Band), IEEE 802.1p, Wi-Fi Alliance, HomePlug, IEEE 1901
Processor	PLC AR7420 + Wi-Fi QCA 9531 (V2)
Protocols	CSMA/CA (Powerline)
Transmission speeds	Ethernet 10/100 (mbps), Powerline 500 (mbps), Wi-Fi 300 (mbps, 2x2 MIMO / 2,4GHz)
Transmission method	Asynchronous
Modulation • Carrier	Powerline OFDM - 4096/1024/256/64-QAM, QPSK, BPSK • Powerline 2880 • Wi-Fi DSSS (IEEE 802.11b) • Wi-Fi OFDM (IEEE 802.11g, n) • Wi-Fi 13
Data path	Ethernet <-> power supply grid / power supply grid <-> Wireless / Ethernet <-> Wireless
Range (in m)	Powerline: 400, Wi-Fi: 300
Security	WPA/WPA2, WPS PBC, MAC-Address Filter, Wi-Fi Time Schedule, 128 Bit AES
LEDs (2)	PLC (conected/activity), PLC (Quality Indicator), Wi-Fi
Socket / Connector / Countries	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)
Device port	1 x Ethernet RJ45, 2 x Antenna
Power output	16 A (to integrated socket)
Attenuation filter	2 - 68 MHz
Filter characteristics	-22 db to -45 db
Power consumption	Maximum W: 5,2 / Typical W: 4,4 / Stand-By W: 1,0
Power supply	Internal, 196-250 V AC, 50 Hz
Temperature	-25°C to 70°C (Storage) • 0°C to 40°C (Operating)
Weight of adapter	~320 g
Dimensions	148 x 72 x 42 (in mm, without plug)
Colour	White (can be defined as desired in project)
Ambient conditions	10-90% Humidity (non-condensing)
Compatibility	Compatible with HomePlug AV, HomePlug AV2
Quality of Service Features	• 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 (2)	Pairing, Wi-Fi on/off, WPS, Factory Default
Operating systems	Windows XP, Vista, 7, 8, 8 Pro (32 Bit and 64 Bit) • Linux (Ubuntu) • MAC OS X • Mobile OS (Android and iOS)
Certifications	CE Class B (EU, CH, NO)
1905.1	Partly
TR-069	Yes

Professional solutions with devolo

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devolo
OPERATOR SOLUTIONS