

PLC2 1200+

Technical Specifications



Smart WiFi ac



PLC2
G.hn Wave-2



1 x LAN



Integrated
socket and filter



Range up to
400 meters



Next generation powerline at the best price-performance ratio.

Make your services whole home ready! Benefit from devolo's new G.hn powerline products with speeds up to 1200 Mbps. Let customers enjoy reliable and strong connectivity throughout their home.



The next generation of powerline communications (PLC), based on G.hn Wave 2: Perfect connectivity across the entire home by using the existing wiring. Every power outlet can become an access point.



High-speed data rates of up to 1200 Mbps for high-speed connectivity.



The adapter is equipped with one Ethernet LAN port.



The integrated electrical socket ensures that no power outlet is lost!



Automatic encryption without any user interaction!



The PowerSave technology automatically reduces energy consumption.



Overcomes long distances: Range of up to 400 meters (PLC) - for strong connections from the cellar to the attic and over to the garage.

Highlight



**PLC 2.0 -
next generation
powerline**

Fast data transmission, overcomes long distances and is compatible with products certified by the HomeGrid Forum.

devolo has selected G.hn Wave-2 chipset for powerline applications. The chipset is designed for premium performance applications with a TDMA-based MAC for low-latency applications like VoIP and IPTV television.

The device leverages a low-density parity-check, forward error control mechanism that delivers error-free IPTV video delivery. The chipset delivers standard AES-128 encryption with a plug-and-play security set up.

The HomeGrid Forum-certified device supports all G.hn standard modes and is compatible to all Home Grid Forum-certified products.

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Technical Data

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3az, IEEE 802.1p, AutoMDI/X, G.hn Wave-2
Processors	G.hn Wave-2 88LX5152
Protocols	CSMA/CA (Powerline)
Transmission speeds & methods	Ethernet 10/100/1000 with max. 330 (Mbps), Powerline 1200 (Mbps)
MIMO technology	No
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
LEDs	Multifunction
Buttons	Encryption button (for pairing the adapters)
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: 2-80 MHz
Filter characteristics	-22 dB to -45 dB
Power consumption	Maximum W/A: ~4.7 / 0.1, typical W/A: ~3.4 / 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	132 x 67 x 42 mm (height x width x depth). Approx. 225 g
Ambient conditions	10-90% humidity (non-condensing)
Compatibility	Compatible to G.hn Wave 1, Coexistent to HomePlug AV, improved VDSL interoperability to 17a and 35b
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)
Certification	CE, HomeGrid Forum
devolo Managed Service	Managed FW Update

