devolo

PLC2 2400+

Technical Specifications

2400 Mbps

PLC2 G.hn MIMO Wave-2

1 x Gigabit Ethernet

Integrated socket

Range up to 500 meters

TR-069 Support

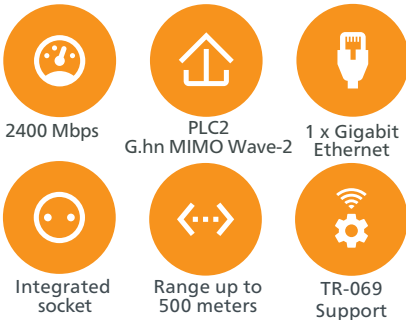### Next Generation high-end Powerline.

devolos new G.hn powerline product provides a high double digit increase in datarates up to 2400 Mbps. They are optimized for very low latency and packet lost to support application such as IPTV and multiroom Internet access.

The next generation 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.

High-performing 2400 Mbps for lightning-fast data transmission such as broadband Internet, 3D entertainment and up to 8K multimedia streaming.

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

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 without any user interaction! Resistent prepaired by delivery.

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

Copes easily with long distances: effortlessly handles extremely long distances up to 500 meters so that you always have a strong connection. From the cellar to the attic and over to the garage - simply all through the house.

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

PLC 2.0
Next generation powerline

Fast data transmission, copes long distances and is compatible with Home Grid forum-certified products

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 IP television.

The device leverages a low-density parity-check, forward error control mechanism that delivers error-free 4K 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, including the latest MIMO band-plan.

Technical data

Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3az, IEEE 802.1p, Auto MDI/X, g.hn Wave 2
Processor	g.hn Wave-2 88LX5152 / TR-069 support
Protocols	CSMA/CA (Powerline)
Transmission speeds & methods	Ethernet 10/100/1000 (Mbps), Powerline 1200/2400 (Mbps)
MIMO technology	Yes
Modulation • carrier	Powerline OFDM - 4096/1024/256/64-QAM, QPSK, BPSK • Powerline 2880
Range (in m)	Powerline: 500
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	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). Appox. 225 g
Ambient conditions	10-90% humidity (non-condensing)
Compatibility	Compatible to G.hn Wave 1 Coexistintant to HomePlug AV
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)
Certification	CE, Home Grid