devolo

PLC2 2400+ WiFi ac

Technical Specifications

Smart WiFi ac

PLC2
G.hn Wave-2

2 x Gigabit
Ethernet

Integrated
socket

Range up to
500 meters

TR-069
Support

Freedom for customers: The High-End networking solution for streaming services.

devolos new product generation combines the benefits of Smart WiFi and the best reliable whole home backbone. Enjoy freedom to move around while enjoying streaming content on your mobile phone in parallel use of multiple devices.

Smart WiFi 802.11 ac: Easy set-up of Wi-Fi zones (Wireless access points) in the PLC home network. Optimum Wi-Fi coverage in every desired room or every floor of the home. The best Wi-Fi connection for smartphones, laptops and tablets.

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.

The adapter is equipped with two Gigabit Ethernet LAN connections for connecting multiple network-compatible devices.

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 long distances up to 400 meters (PLC) 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

Smart WiFi Technology

Smart WiFi Technology:

Roaming & Mobilty:
No interruption while roaming the home. The mobile client will switch invisble from one access oint to another.

Optimal Frequency and Channel selection: The mobile client will be switched to the best band and channel combination without user interaction.

Airtime Fairness: The available WiFi Airtime will be shared fair between all connected clients.

Config Sync:

The comfort features like guest network etc. will be synchronized automatically between all devices for customers centric network view and convenience.

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 IEEE 802.11 a, b, g, n, ac (2.4 / 5 GHz concurrent), IEEE1905.1
Processor	g.hn Wave-2 88LX5152 / WiFi AR9344 (802.11n) + QCA9882 (802.11ac)
Protocols	CSMA/CA (Powerline)
Transmission speeds & methods	Ethernet 10/100/1000, Powerline 1200/2400 (Mbps) WiFi asynchronous (866 Mbps on 5 GHz band + 300 Mbps on 2.4 GHz band)
MIMO technology	Yes
Modulation • carrier	Powerline OFDM - 4096/1024/256/64-QAM, QPSK, BPSK • Powerline 2880 WiFi DSSS (IEEE 802.11b) • WiFi OFDM (IEEE 802.11a, g, n, ac) • WiFi 32
Range (in m)	WiFi: 300 / 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, WiFi: WPA/WPA2, WPS PIN, WPS PBC, MAC-Address Filter, WiFi Time Schedule, 128 Bit AES
LEDs	Multifunction / WiFi
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	2 x Ethernet RJ45, 4 x integrated antenna
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: ~12.0 / 0.1, typical W/A: ~9.0 / 0.1, stand-by W/A: ~3.4 / 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	152 x 76 x 40 mm (height x width x depth). Appox. 360 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

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