

ALLNET Powerline 1200Mbit HomePlugV2 "SmartLink" MIMO mit WiFi AC ALL1681211v2

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Highlights:

- 2in1 1200Mbit Powerline & Wireless AC Accesspoint
- New HomePlug AV2 standard
- Up to 1200 Mbps powerline data transfer rate via powerline
- Compatible with other HomePlug AV technologies
- MIMO support
- 2x Gigabit Ethernet ports
- Integrated wireless AC/abgn 2x2 wireless AC access point
- Integrated filtered safety socket outlet with 16A, also known as "Passtrough"
- Easy installation
- **The following is supported from firmware version 1.0.76: 1.EAP authentication (802.1x) : PEAP MSCHAPV2 ; 2. roaming capable IEEE802.11r firmware can be obtained by clicking on this link support@allnet.de**

The perfect symbiosis of network via power cable + network via radio "Wireless AC access point"

The ALL1681211v2 adapter is the first ALLNET powerline adapter according to HomePlug AV2 standard with Smartlink 1200 Mbps and MIMO with additional integrated wireless AC access point on the market.

The ALLNET ALL1681211v2 uses the latest Qualcomm Atheros QCA7500 / QCA8334 chipset. It has two Gigabit Ethernet RJ45 interfaces and is compatible with the IEEE1901/Homeplug AV and GreenPHY powerline standards. This makes it easy to use with existing powerline end devices from other manufacturers.



High data rates and Quality of Service (QoS) enable the use of HD multimedia applications and help you to realise high-speed digital multimedia home networks throughout the house, including IPTV services, simultaneous HD video and audio distribution, Voice Over IP calls, online gaming, high-speed Internet.

The ALL1681211v2 offers simple plug & play push-button networking without the need for software configuration. The Network Management Key (NMK) with its 128-bit AES hardware encryption ensures secure, authenticated access to the logical network and protects the network from hackers. The integrated wireless IEEE802.11ac dual-band access point performs in 2.4GHz (max. 300Mbps) and 5GHz (max. 867Mbps).

In order to fulfil the requirements for modern Green IT products, the ALL1681211v2 complies with the European Code of Conduct (CoC) for improving energy efficiency and the Energy using Products (EuP) Directive of the European Union.

The new HomePlug AV2 standard enables highly efficient data transmission on the power cable with technologies such as Efficient Notching & High Efficiency PHY Protocol Data Unit (PPDU) Structure.

The new ALL1681211v2 now also offers an integrated protective contact socket that is looped through in a filtered manner, i.e. the end devices that are connected behind this integrated filtered socket do not interfere with the powerline transmission signal. This has 2 advantages:

1. You do not occupy dedicated sockets in the wall
2. End devices behind them do not interfere with the stability of the powerline

Technical details:

Product	ALL1681211v2 PLC 1200M & 1200Mbps 802.11ac Dual Band Wireless Gigabit	
Hardware Specifications		
Interface	LAN port:	2 x 10/100/1000 Mbps auto MDI/MDI-X RJ45 port
	Power port:	1X POWER (AC) interface
Antenna	Gain:	2x 3dBi 5.8G built-in antenna 2x 3dBi 2.4G built-in antenna
Button	1 x Factory Default / WPS button 1 x PLC button Pairing	
LED Indicators	WiFi PLC	
Material	Plastic	
Transfer frequency band	2-68Mhz	
Dimensions (W x D x H)	70x43x126mm(without plug)	
Weight	0.35KG	
Power Requirement	AC85-260V	
Power Consumption	Maximum W/A:10.3/0.15 Typical W/A:8.0/0.12	



		Stand-by W/A:2.1/0.11
Wireless Interface Specifications		
Standard		IEEE 802.11ac 5GHz IEEE 802.11a/n 5GHz IEEE 802.11b/g/n 2.4GHz
Frequency Band		Simultaneous 2.4GHz and 5GHz
Modulation Type		802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11b: DSSS (DBPSK / DQPSK / CCK)
Data Rates		2.4GHz up to 300Mbps 5GHz up to 867Mbps HomePlug: PHY rate:1200Mbps TCP/IP rate: 550Mbps
Channel		2.4GHz FCC (America): 2.412~2.462GHz (11 Channels) ETSI (Europe): 2.412~2.472GHz (13 Channels)
		5GHz 5.180-5.240GHz, 5.745-5.825GHz (up to 9 channels) *The actual channels in application will vary depending on the regulation in different regions and countries.
Channel Width		802.11ac: 20/40/80MHz 802.11n: 20/40MHz
Max. RF Power / EIRP		2.4GHz: < 20dBm 5GHz: < 20dBm
Receive Sensitivity		2.4GHz 11b (11Mbps): -79dBm 11g (54Mbps): -68dBm 11n (20M) mode: -67dBm 11n (40M) mode: -64dBm
		5GHz 11a: -74dBm 11n (20M) mode: -70dBm 11n (40M) mode: -67dBm 11ac (20M) mode: -67dBm 11ac (40M) mode: -61dBm 11ac (80M) mode: -57dBm
SSID	2.4GHz: 1 Root SSID and 4 Guest SSID 5GHz: 1 Root SSID and 4 Guest SSID	
Wireless Management Features		
Encryption Security	WEP WPA/WPA2 personal mixed mode	
Wireless Security	Wireless ACL MAC address filtering	
	Supports WPS (Wi-Fi Protected Setup)	



Part No.: 218487
Vendor Part No.: ALL1681211v2

Max. Supported Clients	2.4GHz wireless: 32 5GHz wireless: 32
Standards Conformance	
IEEE Standards	IEEE 802.11n (2T2R, up to 300Mbps) IEEE 802.11g IEEE 802.11b IEEE 802.11i IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
Regulatory	CE, RoHS, WEEE
Environment	
Temperature	Operating: 0 ~ 40 degrees C Storage: -40 ~ 70 degrees C
Humidity	Operating: 10 ~ 90% (non-condensing) Storage: 5 ~ 95% (non-condensing)