



ALLNET

ALL1682511v2

500Mbit HomePlug AV Powerline / Dualband Wireless N Accesspoint

- 500 Mbps Homeplug AV
- 300 Mbps Wireless N Access Point
- 2,4Ghz or 5 Ghz selectable
- WPS/Reset Button
- 2nd LAN/Network-Port

Art.-Nr.123065



Technical Details:

ALL1682511v2 is a 500Mbps HomePlug Adapter + 300Mbps Wireless N Extender 2x2 dual-band (2.4/5 GHz). ALL1682511v2 embarks on a concept of No New Wires data communications, and it transforms your in-house powerline into a networking infrastructure and a WLAN connection. It successfully reduce "blind spot", increase throughput and increase network coverage within a home. Surf the Internet and share data at the speed up to 500Mbps Phy rates through powerline, 300Mbps via Wireless, in any outdoor environment - and rest assured with the best security from eavesdroppers through encryption on the power circuit and WLAN.

ALL1682511v2 HomePlug engine is a Qualcomm Atheros AR7420 chipset. It features faster processing power, Fast Ethernet host interfaces and an enhanced analog front end. The solution is compliance with IEEE1901 and Homeplug AV, hence allowing hassle free compatibility with existing Homeplug AV devices and other suppliers of IEEE1901 PLC (Powerline Line Communication) devices. As for the Wireless, it is using Qualcomm Atheros AR9344 2x2 2.4/5 GHz Wireless N SoC chipset. Enhanced Quality of Service (QoS) also provides the guaranteed bandwidth reservations for multimedia payloads including TV over IP (IPTV), higher data rate broadband sharing, Online-Gaming, VoIP Calls, extending Wireless LANs coverage, Audio-Video transmission across the network as well as Network camera connectivity. ALL1682511v2 provides a simple connect push button for a convenient way of creating HomePlug network without the need to using the Device Utility from a computer. The security feature is supported by 128-bit AES Hardware encryption. As for WLAN security feature, it is supported by WPA, WPA2, and WAP. Ensuring the network communications is free from eavesdroppers and hackers.

Element	Spezifikation
Chipsatz Powerline:	Qualcomm Atheros AR7420+1540
Chipsatz Wireless:	Qualcomm Atheros AR9344
Standards:	Powerline -> HomePlug AV Powerline -> IEEE 1901 Ethernet -> IEEE 802.3 Ethernet -> IEEE 802.3u 10/100 Ethernet Wireless -> IEEE 802.11b/g/n
Brutto Datenrate Powerline:	bis zu 500Mbps
Brutto Datenrate Wireless:	bis zu 300Mbps
Frequency Powerline:	2MHz bis 68MHz
Frequency Wireless:	2,4 GHz/ 5 GHz
Access-Methode Powerline:	TDMA and priority-based CSMA/CA channel
Access-Methode Wireless:	CSMA/CA,EDCA
Quality of Service:	<ul style="list-style-type: none"> • Intergrated QoS Enhancements • 8-levels VLAN priority field, TOS Field • QoS Classification by destination MAC Adress and IP-Port • Supports IGMP managed multicast session
PLC Modulation:	OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK und ROBO Modulation Schema
WiFi Modulation:	CCK,BPSK,DQPSK, QPSK, QAM
Power connector:	EURO
Network connector:	2x RJ45 10/100Mbps



Element	Spezifikation
PLC Security:	1128-bit AES Link Encryption with key management
WIFI Security	<ul style="list-style-type: none"> • WEP 64/128/152bit • WPA2, WPA2-PSK • WPA/WPA2/EAP
IGMP:	<ul style="list-style-type: none"> • Support IGMP managed multicast sessions • IGMP snooping • IGMP/MLD Adressfiltering
Nodes/Clients:	max. 14 Clients / Total 15 Clients
Buttons:	<ul style="list-style-type: none"> • 1x Simple Connect/Reset Push Button • WPS ON/OFF • 1, 2,4G / 5G Select Switch
LED Indicators:	<ul style="list-style-type: none"> • Power LED (PWR) • Bicolor Powerline Link/ACT Status LED • Green Ethernet Link/ACT Status LED (ETH-LKACT) • Green WPS On/Off Status LED
Power:	100~240 VAC, 50/60 Hz
Power Consumption:	Working mode 3,6W Watt, Standby max. 0,5 Watt
OS Environmental:	all TCP/IP compatible OS
OS Environmental for Configuration:	Windows® XP32bit, Windows® Vista32/64bit, Windows®7 32/64bit
Housing:	Plastic
Environmental Temperature:	Temperature: 0 ~ 40 °C Humidity: 10% ~ 90% (non condensing) Storage Temperature: -25 ~ 70 °C Storage Humidity: 30% ~ 950% (non condensing)
Marks:	CE
Dimension:	62 mm x 92mm x 42 mm
Weight:	140 Gramm (device only)
Package content:	1 pcs ALLNET ALL1682511v2 1 pcs RJ45 Patchkabel 1,8m 1 pcs CD-ROM with Manual and Software