



# ALLNET

## ALL168600 / 600Mbit

### **600Mbit HomePlugAV2 Adapter**

- *New HomePlug AV2 Standard*
- *up to 600 Mbps Data transfer rate via Powerline*
- *extended frequency range 30 to 86MHz provide more bandwidth*
- *Secure Communication and Data Security with one button*
- *Easy and effortless Configuration*

### **Powerline Technologie with Gigabit connection**

With the ALL168600 Adapter ALLNET offers for the market the first Powerline Adapter with HomePlug AV2 Standard up to 600 Mbps.

The latest Chipset Qualcomm QCA7450/AR1540 is integrated in ALL168600 which provide an Ethernet Gigabit Interface. Compliant to the Powerline Standards IEEE1901 / Homeplug AV and GreenPHY you can combine with existed Powerline Communication Devices and other powerline Homeplug AV manufacturers.

Art.-Nr.99482

Note: Product specification is subject to change without notice.

[www.allnet.de](http://www.allnet.de)



With very high Data rates and Quality of Service (QoS) the ALL168600 supports enhanced multimedia applications such as IPTV, VoIP, HD-Video & Audio, online-gaming and high speed Internet.

The ALL168600 offers an easy Plug & Play Installation via Push Button without software configuration. The Network Management Key (NMK) with 128-bit AES hardware encryption insure a authenticated access to the home network.

To meet the requirements for modern green IT products, the ALL168600 is corresponding to 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 cord with technologies such as Efficient Notching & High Efficiency PHY Protocol Data Unit (PPDU) Structure.

<b>Item</b>	<b>Specification</b>
Chip:	Qualcomm QCA7450 + AR1540
Standards:	Powerline -> HomePlug AV2 SISO Powerline -> HomePlug AV Powerline -> IEEE 1901 Ethernet -> IEEE 802.3 Ethernet -> IEEE 802.3u 10/100/1000 Ethernet (1Gbps) Energy Saving -> EuP Compliance
PHY rate:	up to 600Mbps
Frequency Band:	2MHz to 68MHz (with mask)
Access-Method:	Priority-based CSMA/CA channel access
Quality of Service:	<ul style="list-style-type: none"> <li>• Intergrated QoS Enhancements</li> <li>• Hardware Packet Classifiers for TOS, CoS and IP Port Number</li> <li>• QoS Classification by destination MAC Adress and IP-Port</li> </ul>
Modulation:	OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK und ROBO Modulation Schema
Power outlet:	EURO-power plug
Network Interface:	1x RJ45 10/100/1000Mbit
IGMP:	<ul style="list-style-type: none"> <li>• Support IGMP managed multicast sessions</li> <li>• IGMP snooping with multicast to multiple unicast support</li> <li>• IGMP/MLD Adressfiltering</li> </ul>
Nodes/Clients:	up to 64 devices
Encryption:	128-bit AES Link Encryption with key management



<b>Item</b>	<b>Specification</b>
LED's:	Power LED PowerLine Link/ACT Status LED Ethernet Link/ACT Status LED
Power source:	100~240 VAC, 50/60 Hz
Power consumption:	operating 3,6W Watt, standby max. 0,5 Watt
Operating System in use:	all TCP/IP operating systems
supporting OS for the configuration software:	Windows® XP32bit, Windows® Vista32/64bit, Windows®7 32/64bit
Case:	plastic case
Environment:	Temperature operating: 0 ~ 40 °C Humidity operating: 30% ~ 80% (non-condensing) Temperature storage: -25 ~ 70 °C Humidity storage: 30% ~ 95% (non-condensing)
Certificates:	CE
Dimension:	78 x 56 x 29 mm (Height x Width x Depth)
Weight:	94,9 Gramm (only Adapter)
Warranty:	36 months
Package Content:	1 pcs ALLNET ALL168600 1 pcs RJ45 Patchkabel 1,8m 1 pcs CD-ROM with manual & software