ALLNET Powerline 1200Mbit Bridge RJ45 HomePlugV2 "SmartLink" with PoE AT ALL1681203

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EAN CODE

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Highlights:

• Up to 1200Mbps powerline data transmission rate

• Supports MIMO

• Compatible with other HomePlug AV technologies

• Secure communication and protect your data by clicking one button

• 1 gigabit ethernet ports

• Internal PoE IEEE802.3at Injector support max. 30W for example IP-Cameras / ALL-SG82xxPD Switches etc.

Introduction

ALL1681203 Smart Link HomePlug AV2 1200Mbps Ethernet Adapter embarks on a concept of No New Wires data communications, and it transforms your in-house powerline into a networking infrastructure. It provides SmartLink Plus coupling to the Line-Neutral pair and the Line-Ground pair of the AC mains. It successfully reduces "dead spots", increases throughput and network coverage within a home. Surf the Internet and share data at the speed up to 1Gbps (PHY rates) through powerline, And Built-in PoE Injector can provide 55V/48V classification power via CAT5E / CAT6 ALL1681203 Smart Link HomePlugAV2 engine is Qualcomm Atheros QCA7500 chip set , It features faster processing power, Fast Ethernet host interfaces and an enhanced analog front end. The solution is compliance with IEEE1901 , Homeplug AV and Homeplug AV2, hence allowing hassle

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free compatibility with existing Homeplug AV2 devices and other suppliers of IEEE1901 PLC (Powerline Line Communication) devices and IEEE 802.3at /af compliant Midspan or Endpoint (Option) PSE.

Technical Details:

Element	Spezifikation
Chipset:	Qualcomm QCA7500 + QCA8334
Standards:	• IEEE 1901, IEEE 1905.1 and HomePlug AV Compliant • HomePlug AV2 Compliant • AV2 30MHz and 67MHz MIMO profi les • AV2 30MHz and 67MHz SISO profi les • Power Save mode • Co- existence with HomePlug 1.0/Turbo Nodes • Compliant to ErP 2013 directive • IEEE 802.3 10/100/1000 Ethernet(1200Mbps)
Brutto data rate Powerline:	up to 1200Mbps
Frequency band:	2MHz to 67,5 MHz
Access-Methode Powerline:	Priority-based CSMA/CA channel access
Quality of Service:	• Priority-based CSMA/CA channel access schemes maximize effi ciency and throughput • Integrated Quality of Service (QoS) Enhancements • Supports IGMP managed multicast session
Modulation:	OFDM 4096/1024/256/64/16/8 QAM, QPSK, BPSK, ROBO, und Mini-ROBO Modulation Schema
Powerline interface:	Type F earthing contact connector (DE), Type C/E (FR)
Network interface:	1x RJ45 10/100/1000Mbit
IGMP:	• Support IGMP managed multicast sessions • IGMP snooping with multicast to multiple unicast support • IGMP/MLD Adressfiltering
Nodes/Clients:	max. 15 devices
Security support:	128bit AES Link encryption with key management (aktivated via Simple Connect button)
LED indicators:	Power LED

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	PowerLine Link/ACT Status LED 2x Ethernet Link/ACT Status LED
Power supply:	Type F earthing contact connector (DE), Type C/E (FR) Switch mode 110VAC to 240VAC
Power over Ethernet:	Data PIN´s: 1,2 & 3,6 Power: 4,5 & 7,8 Max. 30 PoE IEEE802.3at 48V
Operating systems:	all TCP/IP operating systems
Operating systems for configurationsoftware:	Windows® XP32bit, Windows® Vista32/64bit, Windows®7 32/64bit
Housing:	synthetic housing
Environment:	Temperature operating: 0 ~ 40 °C Humidity operating: 30% ~ 80% (non condensing) Temperature storage: -25 ~ 70 °C Humidity storage: 30% ~ 95% (non condensing)
Marks:	CE, RoHS
Dimensions:	115 x 65 x 30mm
Weight:	300g (only device)
Package content:	1x ALLNET ALL1681203 1x RJ45 patch cable 1m 1x CD-ROM with manual & software

Accessories

Part No.	Name
90246	ALLNET ALL1688PC / Powerline phase coupler 3 phases (1~70MHz)
112411	ALLNET ALL16881 / Powerline Phasenkoppler/Signalbrücke 3 Pha
23651	ALLNET ALL168x / Powerline Phase coupler 3 phase + LX "passi
165177	ALLNET Powerline Blocking Filter 2-68Mhz 16 A Ground Contact
65447	ALLNET Powerline reject-filter 2,0 - 40Mhz 16A
65448	ALLNET Powerline reject-filter 2.0 - 40 Mhz 25A
118597	ALLNET ALL1681205 / 1200Mbit HomePlugAV2 2er Bundle Adapter
137500	ALLNET ALL1681211 / 1200Mbit HomePlugAV2 MIMO mit WiFi AC

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