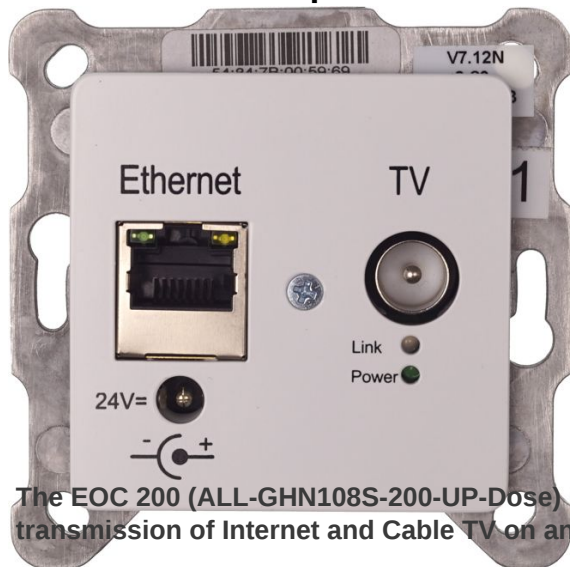


ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 200 zbh. EOC G.hn flush-mounted box/through box "ALL-GHN108S-200-UP socket

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EAN CODE



The EOC 200 (ALL-GHN108S-200-UP-Dose) is an in-wall socket which supports the simultaneous transmission of Internet and Cable TV on an existing coax cable network.

- The installation of the in-wall socket is adding an internet connection to the existing use of cable TV on the same coax cable.
- It contains an integrated Gbit LAN interface and a C pass-through socket.
- Internet/Network data can be utilized via the Gbit Ethernet connection.
- The coaxial socket provides a broadband cable signal in the range of 240 MHz to 860 MHz.
- The TV signal gets decoupled via the coaxial socket, whereas network data is transmitted via the RJ45 socket.
- Interconnection of individual in-wall sockets is done automatically.
- The first in-wall socket is capable of supplying up to another 5 in-wall sockets. (Part No: 221626 ALL-GHN108S-200-UP-Dose or Part No: 221627 ALL-GHN108S-200-WIFI)
- The EOC 200 can be powered via remote supply by an ALL-GHN108M-Coax-200 (Amplifier), or with a 24 V/1 A power supply.
- Therefore it can supply four subsequent EOC 200.
- The EOC 200 can be installed in a single flush-mounted box, as well as in a multiple flush-mounted box. (Part No: 221626 ALL-GHN108S-200-UP-Dose or Part No: 221627 ALL-GHN108S-200-WIFI)
- Each EOC 200 can exchange data with any other flush-mounted box. (Part No: 221626 ALL-GHN108S-200-UP-Dose or Part No: 221627 ALL-GHN108S-200-WIFI)
- Video - Wiring and connection EOC in-wall socket to ALL-GHN108M-Coax-200 Amplifier
- Recommended application: Building upgrade with Gigabit Ethernet with existing coaxial cabling and limited budget.
 - Home users
 - Small company networks
 - Hotels



- Hospitals
- Sanatoriums
- Retirement homes
- Renovation of old buildings

Comparison of the Transmission Standard

Standard	G.Hn via COAX	WLAN	Powerline	DOCSIS 3.0/3.1 over coax
Net data rate	1,5 Gbit	240 Mbit - Wi-Fi 4 ² 600 Mbit - Wi-Fi 5 ² 800 Mbit - Wi-Fi 6 ²	400 Mbit Powerline AV1200 ² 400 Mbit Powerline AV2000 ²	1600 Mbit/s download ³ 240 Mbit/s upload ³
Acquisition cost	medium	Wi-Fi4 devices cheap Wi-Fi5 devices medium Wi-Fi6 devices expensive	AV1200 devices cheap AV2000 devices medium	high requires DOCSIS - CMTS server
Power consumption	up to 4W/GBit	6 W/GBit Access point included	up to 6 W/GBit	>8 W/GBit server included
Susceptibility to interference	not susceptible to	yes, by many users	yes, by electrical consumers	not susceptible to
Eavesdropping security	yes	WPA3 yes WPA2 no	yes	yes
Visual impact	small disappears in the wall	medium router stands around	large protrudes from the wall socket	medium modem stands around

² Source: <https://de.wikipedia.org/wiki/Datendurchsatz>

³ Source: https://de.wikipedia.org/wiki/Data_Over_Cable_Service_Interface_Specification

Technical Details:

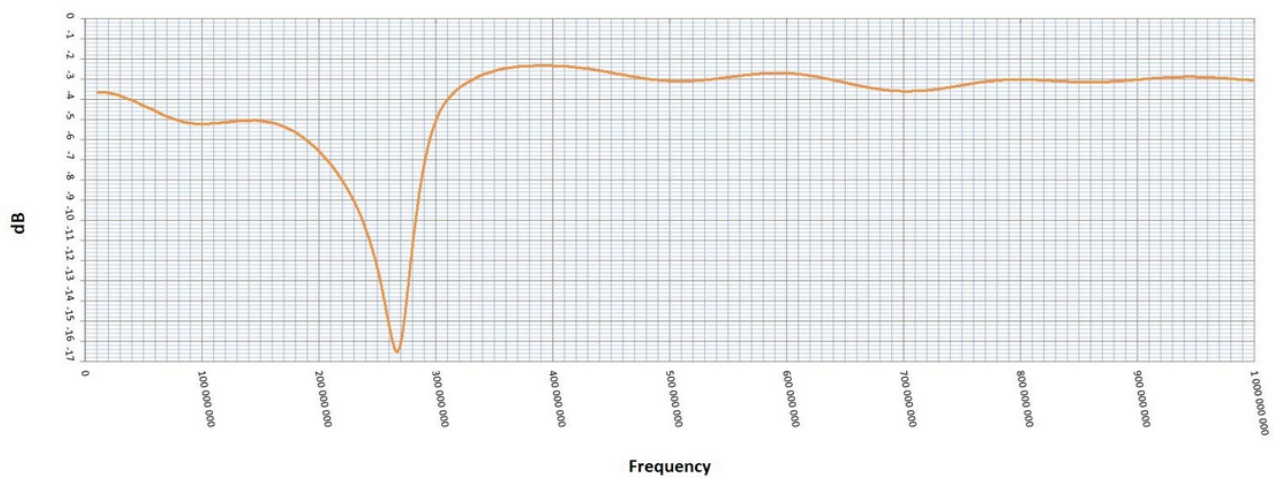
- C-throughput in-wall socket
- Can be integrated into single outlets and multiple outlets
- Frequency range 2 – 199 MHz
- Network standard: G.Hn
- Data rate Gross: 2000 Mbps
- Data rate Net: 1700 Mbps
- Attenuation 300 – 860 MHz: -2 dB (16 db coupling)
- Attenuation 300 – 860 MHz: -3 dB (10 db coupling)
- Coupling: 16 dB (other values on request)
- Hardware encryption : AES 128-bit
- Quality of Service: VLAN/TOS/Packet Classifier/Virtually perfect transmission with IPTV
- Remote service: TR-069 remote management (option)



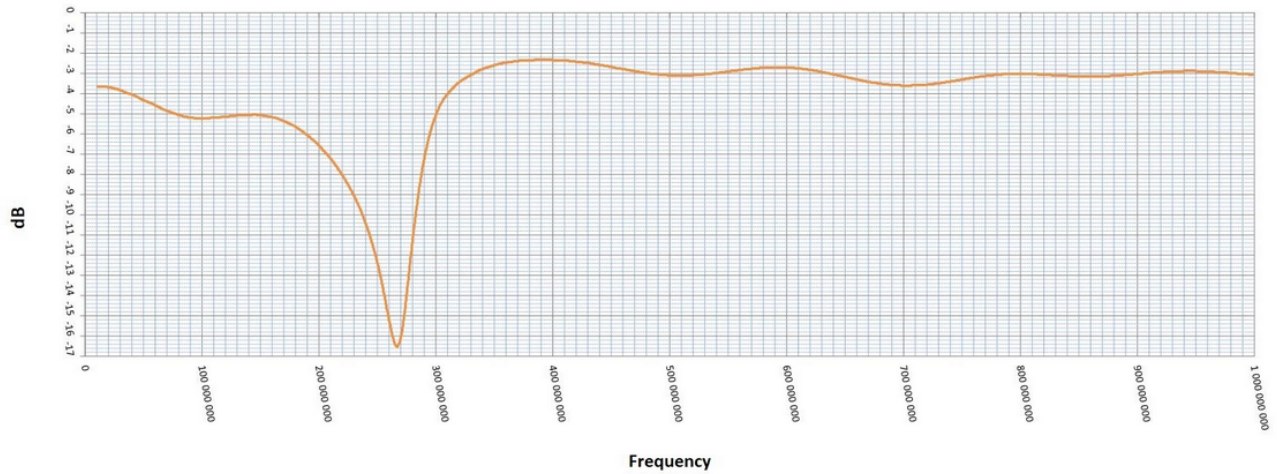
Only suitable for DVB-C wiring
Satellite wiring is not supported

Power Consumption EOC 2000	Power Consumption
50 Mbit/s	2.06 Watt
100 Mbit/s	2.27 Watt
200 Mbit/s	2.47 Watt
300 Mbit/s	2.68 Watt
400 Mbit/s	2.81 Watt
500 Mbit/s	2.90 Watt
800 Mbit/s	3.09 Watt
1000 Mbit/s	3.15 Watt

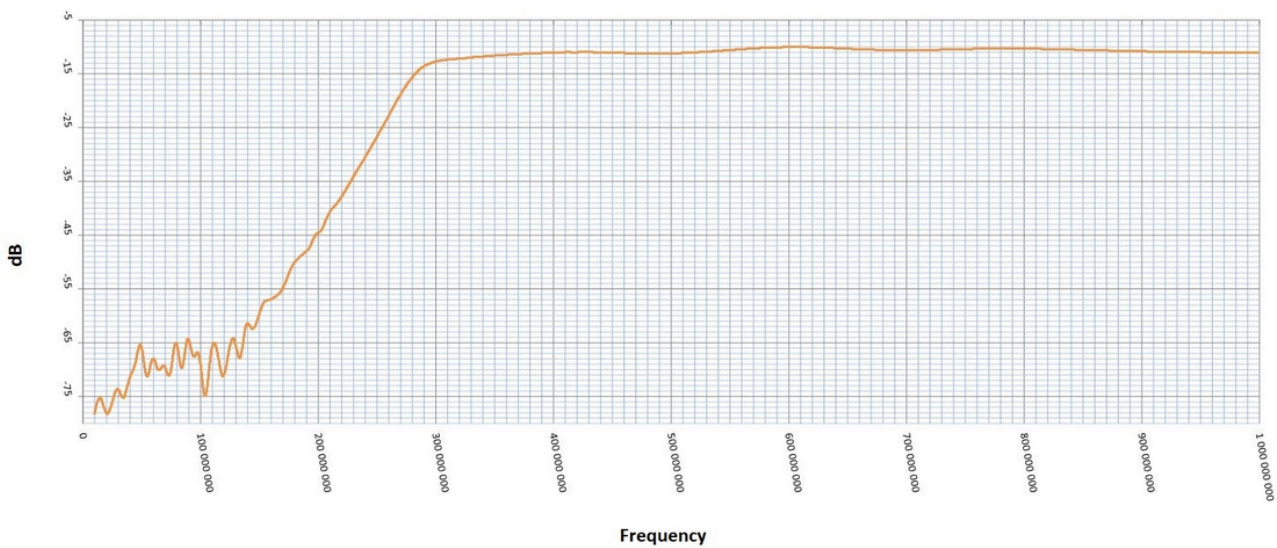
EOC2000 Throughput Attenuation

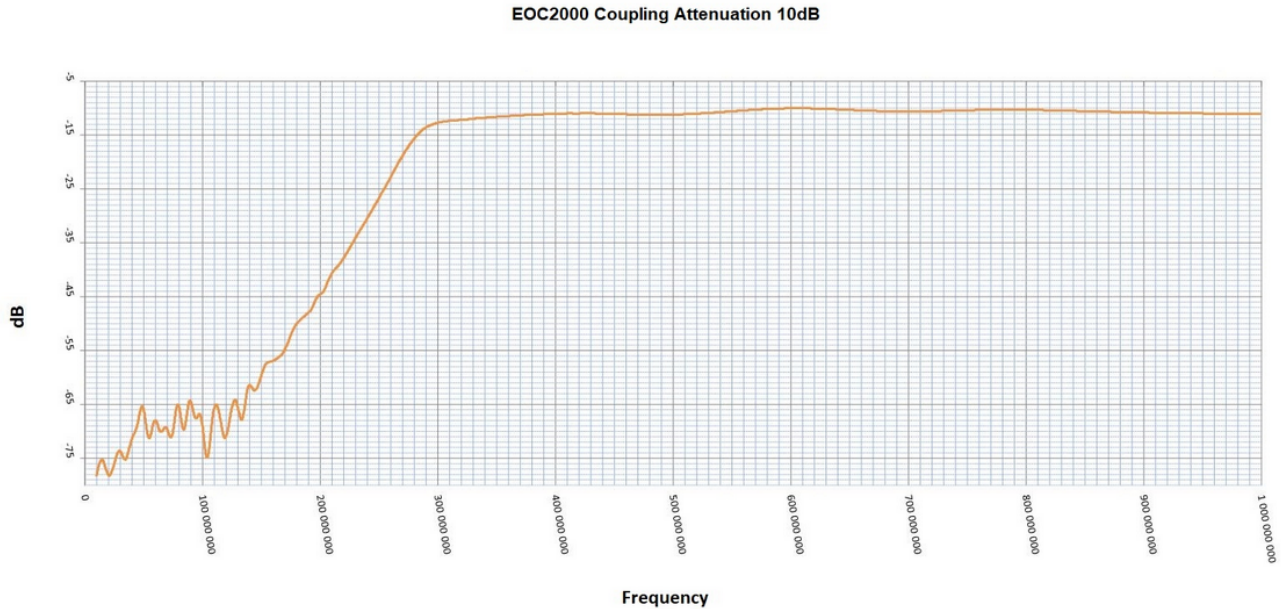


EOC2000 Throughput Attenuation



EOC2000 Coupling Attenuation 10dB





Accessories

Part No.	Name
221624	ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 100 without modules incl. power supply "ALL-GHN108M-Coax-200"
221625	ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 200 zbh. EOC G.hn module for chassis 100MHz "ALL-GHN108M-Coax-200"
221627	ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 200 zbh. EOC G.hn WIFI flush-mounted box/pass-through box "ALL-GHN108S-200-UP socket"