

## ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 100 zbh. EOC G.hn flush-mounted box/through box "ALL-GHN108S-100-UP socket

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### EAN CODE



The EOC 100MHz flush-mounted socket "ALL-GHN108S-100-UP-Dose" is a C-through socket with integrated Gbit LAN interface.

- A coaxial cable is used for simultaneous transmission of DVB-C (108 MHz - 850 MHz) and network data (<108 MHz).
- Internet/network data can be used via the Gbit Ethernet connection.
- The coax socket provides a broadband cable signal (108 MHz to 860 MHz) and can be used with a standard receiver.
- The TV signal is output via the coaxial socket, the network data via the RJ45 socket.
- The networking of the individual flush-mounted boxes/G.hn modules takes place automatically.
- The EOC 100 "ALL-GHN108S-100-UP-socket" can be operated via remote power supply by an ALL-GHN108M-Coax-100 or with a 24V/1A power supply unit.
- 4 subsequent EOC100 "ALL-GHN108S-100-UP-sockets" can be supplied.
- The EOC 100 "ALL-GHN108S-100-UP-socket" can be installed in a single flush-mounted box as well as in a multiple flush-mounted box.
- Each EOC 100 "ALL-GHN108S-100-UP socket" can exchange data with any other flush-mounted socket.
- Wiring/connection of the EOC flush-mounted boxes to the ALL-GHN108M-Coax-100 are described in the.

### Recommended application/Use Case:

Building upgrade with Gigabit with existing coaxial cabling and a small 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 <sup>2</sup> 600 Mbit - Wi-Fi 5 <sup>2</sup> 800 Mbit - Wi-Fi 6 <sup>2</sup>	400 Mbit Powerline AV1200 <sup>2</sup> 400 Mbit Powerline AV2000 <sup>2</sup>	1600 Mbit/s download <sup>3</sup> 240 Mbit/s upload <sup>3</sup>
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

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

<sup>3</sup> Source: [https://de.wikipedia.org/wiki/Data\\_Over\\_Cable\\_Service\\_Interface\\_Specification](https://de.wikipedia.org/wiki/Data_Over_Cable_Service_Interface_Specification)

### Technische Daten:

- C-throughput in-wall socket
- Can be integrated into single outlets and multiple outlets
- Frequency range 2 – 80 MHz
- Network standard : G.Hn
- Data rate Gross: 1000 Mbps
- Data rate Net: 700 Mbps
- Attenuation 300 – 860 MHz: -2 dB (18db coupling)
- Attenuation 300 – 860 MHz: -3 dB (12db 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

Only suitable for DVB-C wiring

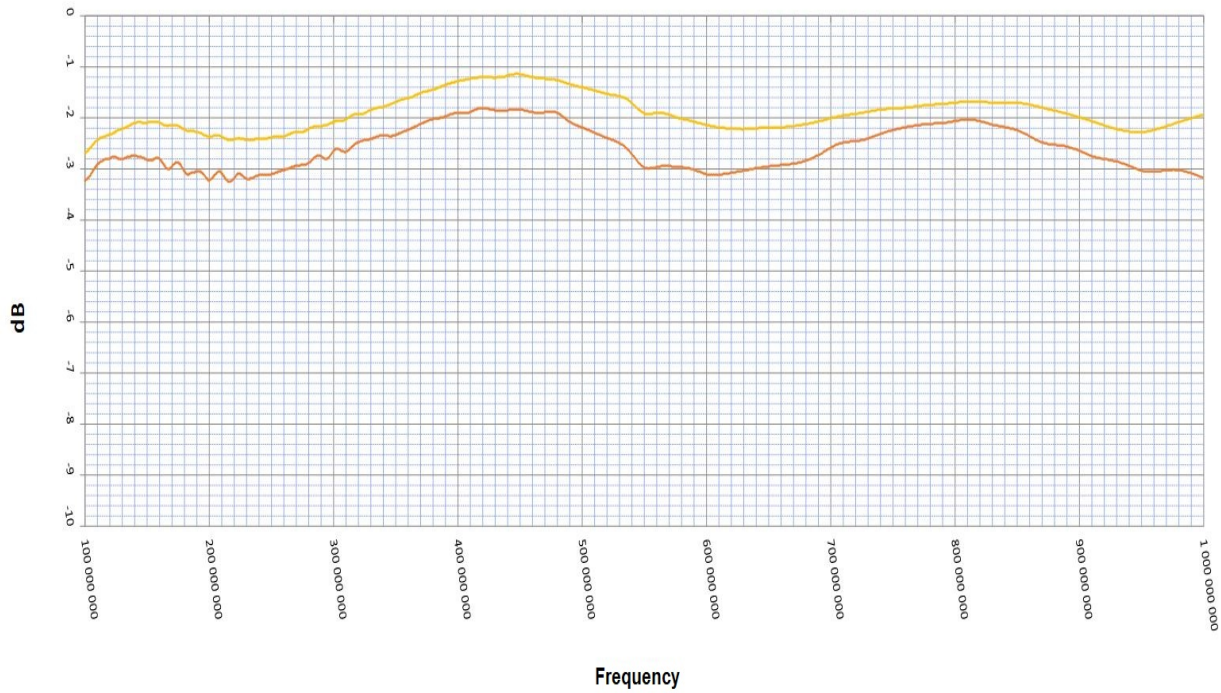


Satellite wiring is not supported

**Power Consumption EOC 100**

Datarate net	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
750 Mbit/s	3.05 Watt

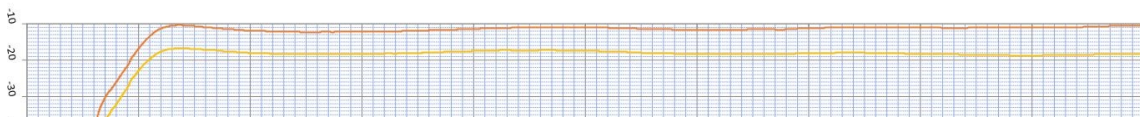
EOC 1000 Outcoupling Attenuation 12dB and 18dB





Part No.: 221230  
Vendor Part No.: ALL-GHN108S-100-UP-Dose

EOC 1000 Outcoupling Attenuation 12dB and 18dB





## Accessories

Part No.	Name
193132	ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 100 without modules incl. power supply "ALL-GHN108M-Coax-100"
221229	ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 100 zbh. EOC G.hn module for chassis 100MHz "ALL-GHN108M-Coax-100"
221231	ALLNET Point-to-Point Coax 8 Port Master Chassis/Amplifier EOC 100 zbh. EOC G.hn WIFI flush-mounted box/pass-through box "ALL-GHN108S-100-WIFI"
246127	MEANWELL Netzteil - 24V 60W
248604	Synergy 21 Netzteil - 24V 45W Mean Well
137095	Netzkabel 230V Schutzkontakt CEE7(Stecker)->Kaltgeräte IEC-C13(Buchse), 1m, Black, Synergy 21,