ALLNET point-to-multipoint 2-wire G.now CPE, 2x GbE ports with PoE IEEE802.3bt 90W per port ALL-G.now-109SP

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ALL-G.now-109SP

G.now Wave-2 Subscriber Adapter with 1.7 Gbps & 90W PoE++ üover existing telephone line

The **ALL-G.now-109SP** is a high-performance G.now Wave-2 subscriber adapter for the transmission of up to **1.7 Gbps over existing analogue telephone lines (2-wire)**. The ideal solution for fast network upgrades in existing buildings - without any new cabling.

 Important: The matching G.now DSLAM/Master ALL-G.now109M-2wire-16 is required for operation.

The ALL-G.now-109SP is the client/subscriber counterpart to the **ALL-G.now109M-2wire-16**.

Use existing telephone line twice – data & analogue telephony simultaneously

A particular advantage of this solution is the **parallel use of the existing analogue extension line** right into the room.

Thanks to the **integrated POTS splitter**,

- Analogue telephony (extension)

- G.now high-speed data transmission

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can be operated simultaneously via the same 2-wire cable

This makes the ALL-G.now-109SP ideal for:

- Hotels
- Hospitals
- Residential homes
- Buildings
- MDU/MTU environments

Existing telephone cabling remains fully usable – without interfering with the analogue infrastructure.

High-speed over 2-wire copper

Thanks to modern **MIMO technology** and OFDM modulation, the adapter achieves:

- Up to **1.7 Gbps data rate**
- Ranges of up to **600 metres**
- Stable transmission over existing telephone cabling

The solution works coexistently with ADSL, VDSL and G.fast, so that existing services are not disrupted.

Integrated 90W PoE++ (IEEE 802.3bt)

The ALL-G.now-109SP has **two Gigabit LAN ports with IEEE 802.3bt (Type 3 & 4)** and delivers up to **90 watts per port** for powerful end devices.

Ideal for:

- PTZ IP cameras
- WiFi 6 / WiFi 7 access points
- Thin clients
- Digital signage
- High-power IoT devices

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Supports both **end-span and mid-span** configurations.

Optimised for professional network installations

In combination with the **ALL-G.now109M-2wire-16 DSLAM/Master**, a powerful IP access platform for MDU/MTU structures is created.

Other features:

- IGMP (IPv4) & MLD (IPv6) snooping for IPTV optimisation

- Integrated overvoltage protection for long-term reliability

- LED indicators for link status and line quality

- CE, FCC and RoHS certified

System design

Central technology room:
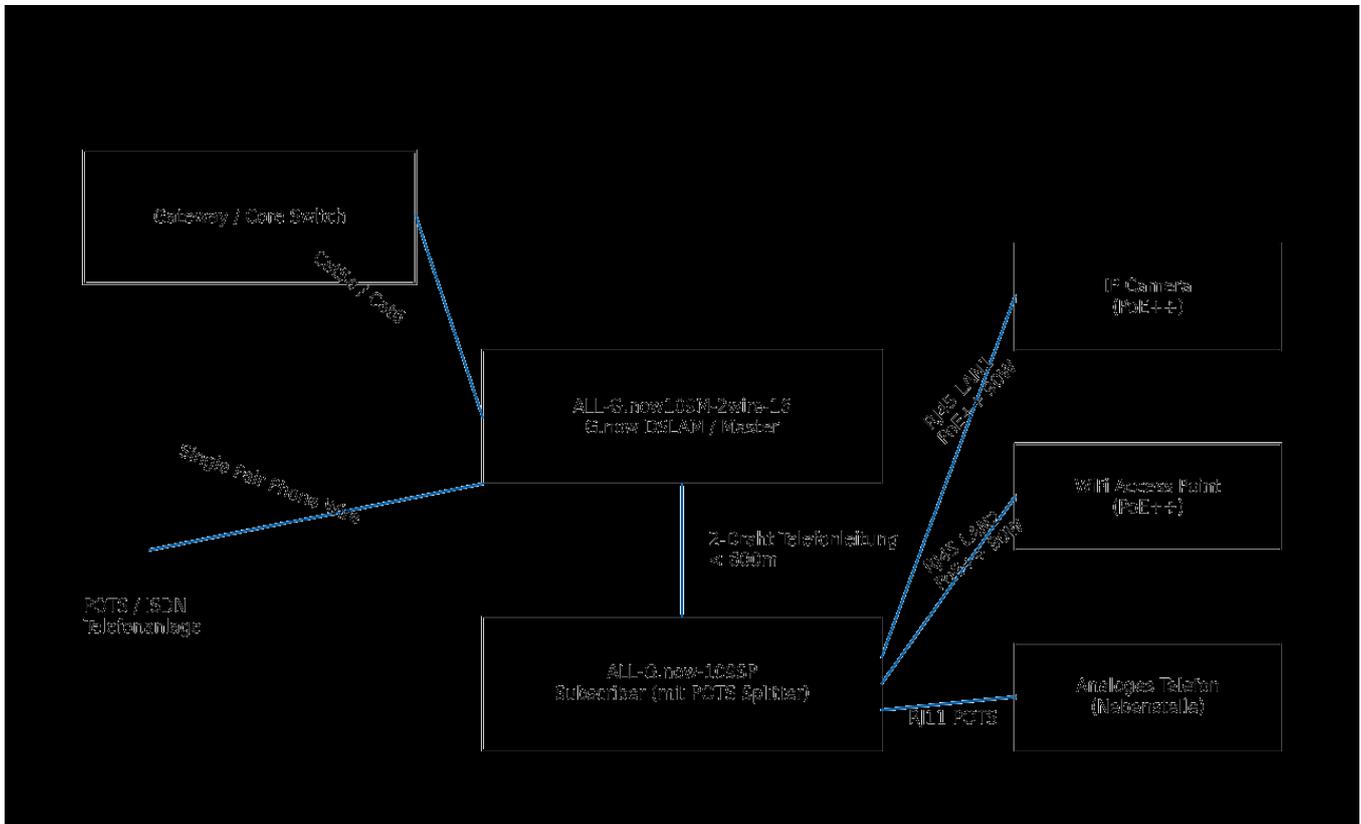ALL-G.now109M-2wire-16 (DSLAM/Master)

Room / floor:
 ALL-G.now-109SP (Subscriber/Client)

&p>The existing 2-wire extension line is used to simultaneously:

- Analogue telephony

- Gigabit network

- PoE supply for end devices

provided – without laying new cables.

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Your advantages at a glance

- Utilisation of existing telephone cabling
- Simultaneous analogue telephony & broadband thanks to integrated POTS splitter
- Up to 1.7 Gbps data rate
- 90W PoE++ per port
- Ideal for hotels, residential complexes & office buildings
- Only works in combination with ALL-G.now109M-2wire-16

Technical data:

Feature	Specification
Max. Data rate	1.7 Gbps
Max. Range	600 m via 1x telephone line
LAN ports	2 x RJ-45 Gigabit
PoE	IEEE 802.3bt (Type 3 & 4), up to 90W per port
Line port	1 x RJ-11 (G.hn)
Splitter Port	1 x RJ-11 (POTS)
Frequency range	5 MHz – 200 MHz

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Power consumption	6 W (without PoE load)
Operating temperature	0°C to +50°C
Dimensions	130 x 94.5 x 27 mm
Scope of delivery	1x ALL-G.now-109SP 1x 230W standard power supply 1x QIG quick start guide

Accessories

Part No.	Name
237437	ALLNET Point-to-multipoint 2-wire G.now 16-port DSLAM/main telephony line unit ALL-G.now109M-2wire-16

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