ALLNET Wireless Client with PoE Out 2.4GHz (300Mbps) and 5GHz (867bps) AC ALL-WCL1201P-AC

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Highlights:

- Wireless wireless AC client with PoE / wireless bridge
- Converts your wired end device with LAN connection into a WLAN end device.
- No power supply required, integrated in the adapter. Must be plugged directly into a socket or power strip.
- Internal IEEE802.3af/at PoE injector for PoE devices such as IP cameras etc.

Attention:

From firmware version **1.8.54055** the following functions are supported:

1. **EAP authentication (802.1X):** PEAP-MSCHAPv2
2. **Roaming-capable according to IEEE 802.11r**

Please note: After installing the firmware, a **factory reset** is performed. The configuration must then be carried out again.

You can download the firmware by clicking on the following link: **support@allnet.de**

The new firmware is absolutely necessary for stable connections.

The ALLNET ALL-WCL1201P-AC wireless client is the ideal solution for modern home and office networks that require reliable wireless and wired connectivity. Equipped with the advanced 802.11b/g/n/ac wireless standard, this device enables impressive data transfer rates of up to 1200 Mbps. Thanks to the integrated PoE injector, which enables a power supply of 55V, 30W via CAT5E/CAT6, compatible devices such as IP cameras or VoIP

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telephones can be supplied with power directly without the need for additional cables or adapters.

With its compact design, the ALL-WCL1201P-AC is particularly easy to install and blends seamlessly into any environment. The direct connection to the socket eliminates the need for external power supply units and saves space. The integrated LED signal indicator reliably shows the signal strength so that you can always find the optimum location for the best possible connection.

Setting up and securing the network is child's play thanks to the WPS button and is done at the touch of a button. In addition, the user-friendly, web-based interface offers intuitive configuration so that you can set up a stable and secure network in no time at all.

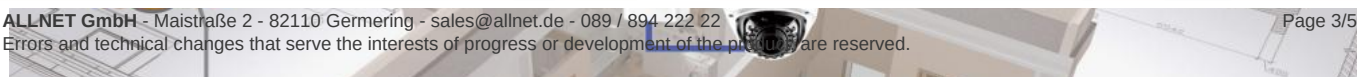
Discover an efficient and flexible solution for your network needs with the ALLNET ALL-WCL1201P-AC.

Application example:

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Home applications

1. Integrating Smart TV into the WLAN

An older TV with a LAN port but without a built-in Wi-Fi module can be wirelessly integrated into the home network with the ALL-WCL1201P-AC - perfect for streaming apps such as Netflix or YouTube.

2. Games console in the children's room

If the games console (e.g. Xbox or PlayStation) cannot be connected via LAN cable, the device can be easily integrated into the WLAN with the wireless client - without tangled cables through the house.

3. Network printer in the guest room

An older printer with a network connection that does not have WLAN support becomes a WLAN printer with the ALLNET adapter - ideal for flexible installation in the home.

Büro applications

4. Connect PoE-capable IP cameras

In places that are difficult to access, e.g. under the ceiling, a PoE IP camera can be operated directly via the adapter – power supply and network via one line, without any extra cables.

5. Wireless integration of VoIP telephones

In modern open-space offices without continuous cabling, a LAN-based VoIP telephone can be operated wirelessly with the adapter and simultaneously via PoE.

6. Workstations without WLAN module

Desktop PCs that do not have a WLAN chip receive wireless access to the company network via the adapter; simply plug it in and get started without having to modify the device.

Technical solutions and workarounds

7. Temporary network installation

Ideal for construction sites, trade fairs or events where temporary devices such as network printers, controllers or cameras need to be integrated - without time-consuming cable laying.

8. WLAN routers or access points without PoE switch

If no PoE-capable switch is available at the installation site, the integrated PoE injector supplies e.g. an access point or another PoE device directly via the network cable

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Technical data:

Category	Details
Network	RJ-45 x 1 for Ethernet connection (10/100M Auto MDI/MDI-X)
Frequency band	2.4000~2.4835GHz / 4.94GHz-5.8GHz
Maximum data rate	2.4GHz: 300Mbps | 5.8GHz: 867Mbps
Transmission power	2.4GHz: 11b@11Mbps: -85±2dBm, 11g@54Mbps: -71±2dBm 11n(20MHz)@MCS15: -67±2dBm, 11n(40MHz)@MCS15: -63±2dBm 5GHz: 11a(54M): -75±2dBm, 11n(20MHz, MCS7): -72±2dBm 11n(40MHz, MCS7): -69±2dBm, 11ac(80MHz, VHTMCS9): -63±2dBm
Reception sensitivity	2.4GHz: 11b(11M): -86±2dBm, 11g(54M): -72±2dBm 11n(20MHz, MCS7): -71±2dBm, 11n(40MHz, MCS7): -69±2dBm 5GHz: 11a(54M): -75±2dBm, 11n(20MHz, MCS7): -72±2dBm 11n(40MHz, MCS7): -69±2dBm, 11ac(80MHz, VHTMCS9): -63±2dBm
Power over Ethernet (PoE)	Provides 55V, 30W for PD (power device)
Antenna	Internal antennas x 2 (2.4G x2 nT2R, 5G x1 1T1R)
Power supply	AC 100-240V, 50-60Hz
Dimensions	126mm × 70mm × 42mm (L × W × H)
Operating temperature	0~40°C (32~104°F)
Storage temperature	-20~60°C (-4~140°F)
Humidity	Operation: 10~90% (non-condensing)
Safety functions	64/128 bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Certifications	FCC, CE
Plug types	EU

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