



ALLNET ALL-WAP0305AC

ALLNET 1750Mbit Wireless AC Outdoor IP68 Dual Band AP with PoE

Ideal for camping sites, beer gardens, golf courses and all outdoor facilities or as building to building connection.

- 3T3R-Stream 802.11ac wireless LAN concurrent
- Up to 1300Mbps in 5 GHz network
- Up to 450Mbps in 2,4 GHz network
- Supports Mesh in 2,4 GHz band
- Up to 29 dBm transmit power on both 2.4 and 5 GHz radios, enabling long range connectivity
- Various mode: Access Point, Mesh (only 2,4GHz), WDS AP, WDS station und WDS bridge
- Band Steering feature detects dual band clients and shifts them to the 5 GHz band to relieve network congestion on the 2.4 GHz band to maintain optimal data traffic flow
- 1x Gigabit Port with PoE IEEE802.3at input
- 1x Gigabit Port with PoE IEEE802.3af output for example IP camera etc.
- Can be used with included power injector and power adapter or via PoE with PoE 802.3at/af capable switches
- IP68-Rated waterproof housing for withstanding UV radiation and severe exposure to the elements

Art.-Nr. 116357



The ALLNET ALL-WAP0305AC is a high performance, long-range outdoor wireless AC dual band 2.4 / 5 GHz Wireless-N Access Point, which has a high transmission power (29 dBm at 2.4 GHz and 5 GHz).

With wireless speeds of up to 1300 Mbps in the 5 GHz and 450 Mbps in the 2.4 GHz band, with one Gigabit-PoE-port in an one Gigabit PoE-port out to connect to an other switch or router, the ALL-WAP0305AC is ideal for the development of a network with greater bandwidth to connect many users. The second PoE port is ideal for use for IP cameras or other PoE-enabled devices.

The ALL-WAP0305AC can be operated in various modes - as a dual-band wireless-n access point, Mesh (2,4 GHz only), WDS Access Point, WDS Bridge or WDS station.

He works simultaneously in the 2.4 GHz and 5 GHz frequency band and supports 802.11a / b / g / n / ac. Other functions such as multiple SSIDs (each SSID can be assigned to a VLAN), Spanning Tree, QoS (WMM), WPA/WPA2 PSK/EAP and 802.1X RADIUS completes the spectrum.

You can provide the ALL-WAP0305AC with the 802.3at standard 30W and also connect a PoE 802.3af capable device directly to the AP. The IP68 protection class housing leaves the ALL-WAP0305AC in low ambient conditions not down.

Technical details:

Item	Specification
Standards:	IEEE 802.11a/b/g/n/ac
Frequenzy Band:	Simultaneously 2.4 und 5 GHz: Radio I: 11b/g/n: 2.412~2.484 GHz Radio II: 11a/n/ac: 5.18-5.24 and 5.26-5.32 and 5.5-5.7 and 5.745-5.825 GHz
Modulation:	802.11b: BPSK, QPSK, CCK 802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11b: Direct-sequence spread-spectrum (DSSS) 802.11a/g/n/ac: Orthogonal frequency-division multiplexing (OFDM) 802.11n/ac: 3 x 3 MIMO with 3 streams 802.11ac with 20/40/80 MHz channel width 802.11n with 20/40 MHz channel width 802.11a/b/g with 20 MHz channel width
Antennas:	6x N-Type Female connectors 3x 5dbi at 2,4 GHz 3x 5dbi at 5 GHz
Data rate:	up to 1300 Mbps in 5 GHz; up to 450 Mbps in 2.4 GHz band 802.11b: 1, 2, 5.5, 11 802.11a/g: 6, 9, 12, 18, 36, 48, 54 802.11n: 6.5 to 450 (MCS0 to MCS15) 802.11ac: 6.5 to 1300 (MCS0 to MCS15, nss: 1 to 3)
Memory:	128MB RAM / 16MB Flash
Operating modes:	Access Point/Mesh (only 2,4GHz) and WDS



Item	Specification
WDS details:	WDS AP WDS Bridge WDS Station
Security:	WEP Encryption (64, 128, 152 bit) WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-PSK using TKIP or AES) Hide SSID in beacons MAC Address Filtering Wireless STA (Client) Connection List Https Support SSH Support
Management:	Client Statistics Save Configuration as User Default Fast Roaming Email Alerts RADIUS Accounting Guest Network CLI Supported Distance Control (Ack Timeout) 802.1X Supplicant (Client Bridge mode) Multicast Auto Reboot Obey Regulatory Power SNMP v1, v2c, v3 AZ-Wireless-Management (SNMP) Software compatible
SSID-to-VLAN Tagging:	supports 802.1q SSID-to-VLAN tagging/Pass through
Spanning Tree:	supports 802.1d Spanning Tree Protocol
VPN:	Pass-through (PPTP, L2TP, IPSec)
Interfaces:	1x 10/100/1000 Gigabit Ethernet Port PoE AT IN 1x 10/100/1000 Gigabit Ethernet Port PoE AF OUT 1x Reset button at injektor 1x power supply
Power supply only through Power-over-Ethernet:	supports IEEE 802.3at 30W, injektor including
LED indicators:	1x on/off 1x LAN1 1x LAN2 1x 2,4GHz 1x 5 GHz



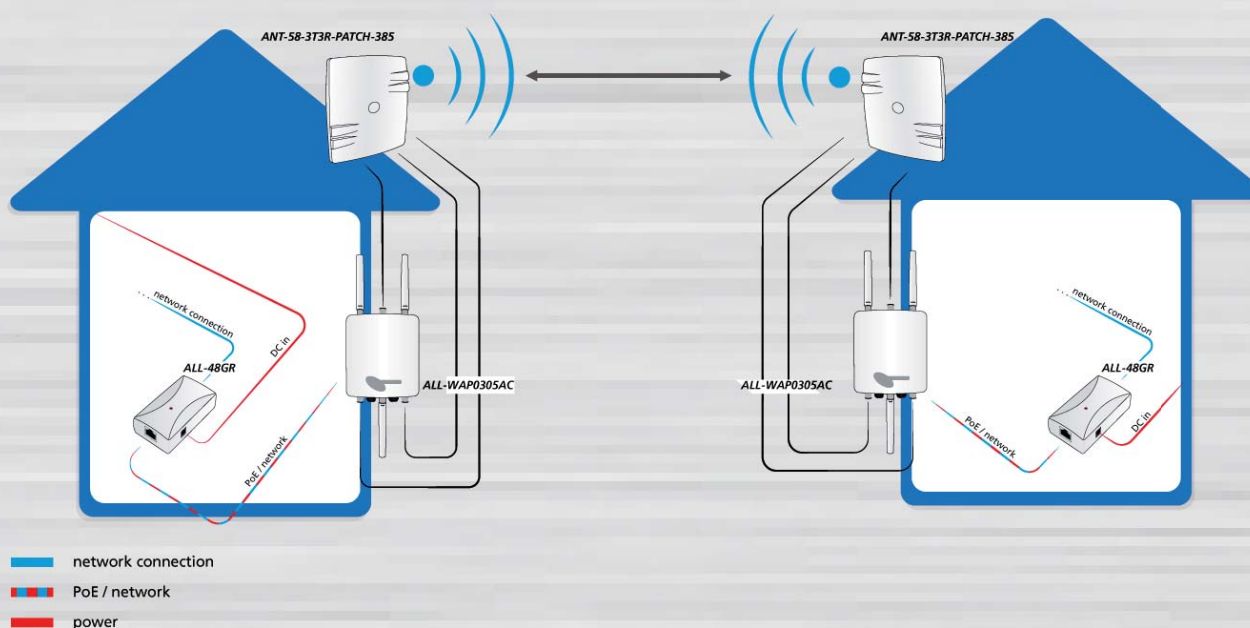
Item	Specifikation
Services:	CLI Distance Control (Ack Timeout) Multicast Wi-Fi Scheduler Band Steering Fast Roaming Fast Handover Auto Channel Selection BSSID support 16 SSIDs support Support 8 SSIDs on each 2.4 GHz and 5 GHz bands Independent VLAN settings can be enabled or disabled Any packet without a VLAN tag will be inserted with a PVID (Ethernet Port VID) VLAN Pass-through (over WDS Bridge) SNMP v1/v2c/v3, MIB I/II, Private MIB Client Traffic Status Guest Network Email Alert QoS: Complaint with IEEE 802.11e standard RADIUS Accounting
Housing:	Outdoor-metall housing
Housing protection class:	IP68
Dimensions/Weight:	284 x 217 x 53 mm Weight: 1,89 kg (only device)
Environment:	Temperature operating: -20 ~ 70 °C Humidity operating: 10% ~ 90% (non condensing) Temperature storage: -300 ~ 80 °C Humidity storage: 30% ~90% (non condensing)
Marks:	CE, FCC, IC, RoHS
Package contents:	1x ALL-WAP0305AC dual band outdoor access point/client bridge 1x PoE Injector 1x RJ-45 ethernet cable 1x Short description 1x CD with user's manual 1x Set screws for mounting 1x Wall mounting kit 1x Pole mount adapter 3x 2,4 GHz Antennas 3x 5 GHz Antennas



Examination example:

ALL-WAP0305AC

Building to Building



Accessories:

116361	ALLNET Wireless AC 1200Mbit USB 3.0 Wireless Stick ALL-WA1200AC
113600	ALLNET Wireless N 300Mbit USB-MINI-PEN Adapter ALL0233DB DualBand 2,4GhZ & 5GhZ
18971	ALLNET Antenna 2,4 GHz 12dBi Omni outdoor N-Type
109373	ALLNET Antenna 5,8 GHz 16dBi Sectorial 120° MIMO dual-polarized outdoor N-Type L-com
22466	ALLNET Antenna 2,4 GHz 15dBi Sectorial 180° outdoor N-Type L-com
90403	ALLNET Antenna-cable LMR-195 N-Type(m) <> N-Type(m) 150 cm
90404	ALLNET Antenna-cable LMR-195 N-Type(m) <> N-Type(m) 300 cm
90405	ALLNET Antenna-cable LMR-195 N-Type(m) <> N-Type(m) 500 cm
114579	ALLNET IP-Cam MP Outdoor Full HD Mini Bullet ALL-CAM2397-LE IP66
114619	ALLNET IP-Cam MP Outdoor Full HD 3M MiniDome ALL-CAM2388-LVE
89537	ALLNET PoE Injector Gigabit ALL0489V2 - 802.3af/at HPoE 30W
98555	ALLNET Switch smart managed 8 Port HPoE incl. 2 Combo Ports (RJ/SFP), 240W power budget, ALL8809WMP
93392	ALLNET Switch unmanaged 8 port Gigabit HPoE, 4x PoE+ oder 8x PoE, fanless, internal power supply, 19" ALL8808PoE
113199	ALLNET Switch full managed 24 Port Gigabit HPoE nach 802.3af und 802.3at incl. 2 Giga Combo Ports (RJ/SFP) ALL-SG8926PM