ALLNET
ALL-WAP02880AC

ALLNET 1750Mbit Wireless AC Dual Band Access Point / Bridge / Repeater with Gigabit and PoE

- ALLNET 1750 Mbit Wireless AC Dual Band Access Point / Bridge /
- Repeater with Gigabit and PoE3T3R stream 802.11ac Wireless LAN Concurrent
- 802.11ac wireless speed up to 1300Mbps in the 5 GHz band
- 802.11n wireless speed up to 450 Mbps in the 2.4 GHz band
- Up to 28 dBm transmit power in the 2.4 GHz and 5 GHz band for long-range coverage
- Several modes: Access Point, WDS Bridge, WDS Access Point
- Band steering - Detects and enables / pushes dual-band devices automatically from 5GHz to the optimal speed to use
- Beam Technology
- Dual Band / Three Streams (3x3)
- SSID-to-VLAN Tagging
- Power supply via external power supply or Power over Ethernet according IEEE802.3at 30W

Art.-Nr. 122215

The ALLNET ALL-WAP02880AC utilizes the speed and performance of the IEEE 802.11ac standard for the connection of laptops and other devices, the wireless transmission of HD video or need to transfer large files.

The ALL-WAP02880AC is a 3x3 802.11ac Indoor Access Point. This High-Power Dual Band Access Point with ceiling mount provides speeds of up to 450Mbps in the 2.4GHz band and up to 1300Mbps in the 5 GHz band, when it is connected to AC client devices. It can be used as Access Point, Client Bridge, or WDS (AP & Bridge) to configure and provides 28dBm output power at 2.4 GHz and 5 GHz band and thus a very long range.

The ALL-WAP02880AC includes a Gigabit Ethernet port for connecting to 802.3at PoE-capable switches and an increased receiver sensitivity MIMO (Multiple In / Multiple Out), an integrated 3D-sectorized antenna array. The ALL-WAP02880AC is the ideal solution for spacious interior environments such as big houses, small and medium enterprises, multi-storey buildings, hotels, hospitals etc ..

Element	Specification
Standards:	IEEE 802.11a/n/ac on 5 GHz IEEE 802.11b/g/n on 2.4 GHz IEEE 802.3at
Frequencies:	simultaneously 2.4 und 5 GHz: Radio I: 11b/g/n: 2.412~2.484 GHz Radio II: 11a/n: 5.18-5.24 und 5.26-5.32 und 5.5-5.7 und 5.745-5.825 GHz
Antennas:	6 x ext. 5 dBi Omni-Directional Antennas
Datarates:	450Mbps(2,4GHz) + 1300Mbps (5GHz)
Available transmit power:	Dual Radio, 5GHz 802.11ac/a/n and 2.4GHz 802.11b/g/n - 2.4GHz: Max 450Mbps - 5GHz: Max 1300Mbps - Dual concurrent radio support Transmit Power (Maximum Value) - 2.4GHz: Max 28dBm - 5GHz: Max 28dBm - Maximum power is limited by regulatory power Supported radio technologies: - 802.11b: Direct-sequence spread-spectrum(DSSS) - 802.11a/g/n/ac: Orthogonal frequency-division multiplexing (OFDM) - 802.11n/ac: 3x3 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 Supported modulation types: - 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 Supported data rates (Mbps): - 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 MCS23) - 802.11ac: 6.5 to 1,300 (MCS0 to MCS9, NSS=1 to 3)

Element	Specification
Modulations:	OFDM: BPSK, QPSK, 26-OAM, 64-QAM, DBPSK, DQPSK, CCK
Wireless Specification:	
Operation Mode:	Access Point / Client Bridge / WDS / Repeater
WDS Details:	WDS AP WDS Bridge WDS Station
Security:	WEP Encryption-64/128 bit WPA/WPA2 Personal (WPA-PSK using TKIP or AES) WPA/WPA2 Enterprise (WPA-EAP using TKIP or AES) 802.1X RADIUS Authenticator: MD5/TLS/TTLS, PEAP SSID broadcast enable/disable MAC Address Filtering, Filter up to 32 MACs per SSID L2 Isolation (Access Point mode) Hide SSID in beacons
Https:	Widely used communications approach for securing communication over a computer network
SSH:	Provide confidentiality and integrity of data over an unsecured network, such as the Internet
QoS (Quality of Service):	WMM (Wireless Multimedia), Multicast Supported
SSID-to-VLAN Tagging:	support 802.1q SSID-to-VLAN tagging
Spanning Tree:	support 802.1d Spanning Tree Protocol
VPN:	Pass-through (PPTP, L2TP, IPSec)
VLAN Tag:	Independent VLAN setting can be enable or disable
VLAN Pass-through:	VLAN pass through over WDS bridge
SNMP &MIB	v1/v2c/v3 support MIB I/II, Private MIB
Clients Traffic Status:	Reports the various main information timely which is required by administrator
Guest Network:	Allows users to manage easily grant "visitor" access within the network.
RADIUS Accounting:	Help operators to offload 3G to the wi-fi seamlessly
Band Steering	Shift the clients from 2.4GHz band to 5GHz band when the clients contest in 2.4GHz band
Wi-fi Scheduler	Set the schedule for rebooting the device
Fast Roaming	Fast roaming facilitates secure mobility by reducing hand-off delay during transitions between the APS without service interruption

Element	Specification
interfaces:	1x 10/100/1000 Gigabit Ethernet Port 1x Reset Button 1x power supply 1x on / off
Power supply:	external power supply DC IN, 12V / 2A
Power over Ethernet:	supports IEEE 802.3at
LED indicators:	1x on / off 1x WPS 1x WLAN 1x LAN
housing:	plastic housing
Dimensions / Weight:	Height / length / width: 27 x 189 x 141 mm Weight: 410 grams (only the device)
Surroundings:	Height / length / width: 27 x 189 x 141 mm Weight: 410 grams (only the device) Temperature Operation: 0 ~ 50 ° C Operating Humidity: 10% ~ 90% (non-condensing) Storage temperature: -20 ~ 60 ° C Humidity Storage: 30% ~ 95% (non-condensing)
Mark:	CE
Package Contents:	1x ALL-WAP02880AC Dual Band Indoor Access Point / Client Bridge 1x 12V / 2A power adapter 1x RJ-45 Ethernet cable 3x 2.4 GHz detachable antennas 3x 5 GHz detachable antennas 1x Quick Start Guide 1x CD with Manual 1x Set of screws for wall mounting

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