ALLNET ALL-WAPC0486AC / 1300 Mbit Wireless Contr. AC IP68AP

EAN CODE

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1750Mbit Wireless AC Controlled IP68 Full-Outdoor Dual Band AccessPoint with PoE

HIGHLIGHTS

- Dual-Band 11ac Speeds to 1,300 Mbps (5 GHz); to 450 Mbps (2.4 GHz)

- (6) High-Gain Detachable Antennas; Pair With 3x3 Sector Antenna for Broader Coverage

- Up to 29 dBm Transmit Power Extends Outdoor Connectivity

- (2) Gigabit PoE+ Compliant Ports Offer Flexible Power Options for Remote IP Cameras or APs

- Supports Mesh Wireless for simplified setup, optimized signals & self-healing

The ALL-WAPC0486AC features an industrial-grade IP68-rated waterproof & dustproof housing that ensures optimal performance and long-term reliability in variable outdoor environments. Dual-band 11ac speeds support greater user capacities in settings like marinas, campgrounds and travel plazas. The ALL-WAPC0486AC IP68 Full-Outdoor Accesspoint supports dual-band in 3x3 mode with max. 867Mbit in 5GHz and 300Mbit in 2.4GHz network. The ALL-WAPC0465AC IP55 Semi-Outdoor Access Point can be used individually or with the optional ALL-WAPC0450C controller. The 6x N-Type antenna connections make the AP extremely flexible and, with optional external antennas, transforms the AP into the master and most flexible of all access points. Only the appropriate antenna technologies such as omnidirectional beam / flat patch / yagi or sector antennas can get the

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most out of the AP. The second Gigabit PoE LAN port on the AP provides a back-switched terminal with power and data connectivity without the need for an additional power cable or power supply. The AP can be used individually and only in combination with the controller, the AP can only unfold with additional functions such as fast roaming and handover, for example.

Technical Details:

Technical Specifications	
Standard	IEEE 802.11b/g/n on 2.4 GHz IEEE 802.11a/n/ac on 5 GHz IEEE 802.3at IEEE 802.1r IEEE 802.1k IEEE 802.11x
Memory Capacity	Memory: 256 MB Flash Memory 16 MB
Antenna	3 x 5dBi External Omni-Directional N-Type Antennas for 2.4 GHz 3 x 7dBi External Omni-Directional N-Type Antennas for 5 GHz
Physical Interface	- 2 x 10/100/1000 Gigabit Ethernet Ports) - LAN1: Supports 802.3at PoE Input - LAN2: Data & 802.3af PoE Pass-Through)
LED Indicators	1 x Power 2 x WLAN (Wireless Connection) 2.4GHz 5GHz 2 x LAN
Power Source	External Power Adapter DC IN, 48 V/0.8A IEEE 802.3at Compliant Source Active Ethernet (PoE)
PSE Output	LAN2 802.3af power source with included power adapter
Surge Protection	4KV
ESD Protection	Contact: 6KV Air: 8 KV
Ingress Protection Marking	IP68-Rated Waterproof/Dustproof Enclosure
Mounting	Ceiling Mount Wall Mount
Wireless & Radio Specifications	
Operating Frequency	Dual-Radio Concurrent 2.4GHz & 5GHz
Operation Modes	Access Point

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	Mesh Access Point
Frequency Radio	2.4GHz: 2400MHz ~ 2835MHz 5GHz: 5150MHz ~ 5250MHz, 5470 ~ 5725MHz, 5725MHz ~ 5850MHz
Transmit Power	Up to 29 dBm on 2.4 GHz Up to 29 dBm on 5 GHz Max transmit power is limited by regulatory power
Radio Chains/Spatial Streams	3x3:3
Supported Data Rates (Mbps)	2.4 GHz: Max 450 5 GHz: Max 1300 802.11b: 1, 2, 5.5, 11 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 802.11n: 6.5 to 450 (MCS0 to MCS23) 802.11ac: 6.5 to 1300 (MCS0 to MCS9, NSS=1 ~3)
Supported Radio Technology	802.11b: Direct-Sequence Spread-Spectrum (DSSS) 802.11a/g/n/ac: Orthogonal frequency-division Multiplexing (OFDM)
Channelization	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	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
Management	
Multiple BSSID	Supports up to 8 SSIDs per radio
VLAN Tagging	Supports 802.1q SSID-to-VLAN tagging VLAN Pass through
QoS	Compliant with IEEE 802.11e Standard WMM
SNMP	v1, v2c, v3
MIB	I/II, Private MIB
Management Features	
Deployment Options	Standalone (Individually Managed) **Managed Mode (with optional Controller ALL-WAPC0450C**)
Wireless Management Features (with ALL-WAPC0450AC-Controller)	AP Auto Discovery and Provisioning AP Auto IP Assignment AP Group Management Remote AP Rebooting AP Device Name Editing AP Radio Settings Band Steering Traffic Shaping

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	Fast Roaming (802.11k & 802.11r)
	Pre-Authentication (802.11i, 802.11x)
	PMK Caching (802.11i)
	RSSI Threshold
	AP Client Limiting
	Client Fingerprinting
	AP VLAN Management
	VLANs for AP - Multiple SSIDs
	Secured Guest Network
	Captive Portal
	Access Point Status Monitoring
	Rogue AP Detection
	Wireless Client Monitoring
	Background Scanning
	Auto Transmit Power
	Auto Channel
	Email Alert
	Wireless Traffic & Usage Statistics
	Real-time Throughput Monitoring
	Visual Topology View
	Floor Plan View
	Map View
	Wireless Coverage Display
	SSL Certificate
	Remote MAC Address Database (RADIUS)
	Unified Configuration Import/Export
	Bulk Firmware Upgrade Capability
	One-Click Update
	Intelligent Diagnostics
	Kick/Ban Clients
	Wi-Fi Scheduler
	Traffic Shaping
Configuration	Web Interface (HTTP)
	CLI (Telnet)
Control Features	Managed Mode (by ALL-WAPC0450C)
	Auto Reboot
	One-Click Firmware Upgrade
	Firmware Upgrade: Web interface or CLI (FTP/HTTP)
Security	WPA/WPA2 Enterprise
	Hide SSID in beacons
	MAC Address Filtering
	Https Support
	SSH Support
	Client Isolation
	L2 Isolation
Environmental & Physical	
Temperature Range	Operating: -4 °F to 158 °F, -20 °C to 70 °C

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	Storage: -22 °F to 176 °F, -30 °C to 80 °C
Humidity (non-condensing)	Operating: 90% or less Storage: 90% or less
Device Dimensions & Weights	
ALL-WAPC0486AC Device (w/o antennas)	Weight: 4.17 lbs. (1891.48 g) Length: 11.22" (285 mm) Width: 8.58" (217.93 mm)
Package Contents	- ALL-WAPC0486AC Dual-Band 802.11ac Outdoor Access Point - Three (3) Detachable 2.4 GHz omni-directional antennas - Three (3) Detachable 5 GHz omni-directional antennas - Power Adapter (48V/0.8A) - PoE Injector (EPE-48GR) - Grounding Cable - Pole Mount Bracket - Wall Mount Base - Mounting Screw Set - Quick Installation Guide

Additional Images

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Accessories

Part No.	Name
144813	ALLNET ALL-WAP0450C / Wireless Controller WAP-C-Series 50APs
186548	ALLNET PoE Injector Gigabit PoE & PoE+ (15,4W/30W) / plastic
147402	ALLNET ALL0489V3 / Power over Ethernet Gigabit Injektor AT
137466	ALLNET ALL-SG8910PM / full managed Layer2+ 10 Port Giga PoE+
93392	ALLNET ALL8808PoE+ / Unmanaged 8 Port Gigabit Switch HPoE, 4
194025	ALLNET Switch full managed 24 Port Gigabit 390W / 24x PoE+
99305	ALLNET / ALL95100 TP Cat 6 / PoE Surge arrester
146999	ALLNET PoE USV Backup - USV für Kameras, Accesspoints ALL900
90403	ALLNET Antennen-Kabel LMR-195 N-Type(m) <> N-Type(m) 150 cm
90404	ALLNET Antennen-Kabel LMR-195 N-Type(m) <> N-Type(m) 300 cm
90405	ALLNET Antennen-Kabel LMR-195 N-Type(m) <> N-Type(m) 500 cm
18969	ALLNET Antenna 2.4 GHz 6dBi Omni outdoor N-Type
18970	ALLNET Antenna 2.4GHz 8dBi Omni outdoor N-Type
18971	ALLNET Wireless LAN Antenna 2.4GHz 12dBi, outdoor
31706	ALLNET Wireless LAN Antenna 2.4GHz 14dBi Sectorial 120°, L-c
35283	ALLNET ALL19012 / Antenna 2.4GHz 14dBi Flat Patch outdoor N-
92439	ALLNET Antenne 2, 4 GHz Flat Patch MIMO 2T2R 12dbi N-Type
92641	ALLNET Antenne 2, 4 GHz Flat Patch 1T1R 12dbi N-Type
35396	ALLNET Wireless LAN Antenna 5.8GHz 17dBi 90° Sector Panel ou
92384	ALLNET Antenne 5,8 GHz Flat Patch MIMO 3T3R 15dbi N-Type
92661	ALLNET Antenne 5 GHz Flat Patch Outdoor 1T1R 19dbi N-Type
109373	ALLNET Antenne 5, 8 GHz 16dBi Sectorial 120° MIMO Dual-Pola
195544	ALLNET PoE Injektor Outdoor IEEE802.3bt (15,4W/30W/60W)

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