

Item no.: 332520

## PL-501S000A-EU - Access Point- Outdoor, 90°~120°, 802.11ac, IP67

**552,64 EUR**

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shipping weight: 2.50 kg

Manufacturer: Cambium Networks



### Product Description

Access Point- Outdoor, 90°~120°, 802.11ac, IP67 (PL-501S000A-EU)

Perfect for demanding, high density applications and longer range coverage across large areas. It is ideal for industrial or education campuses, enterprise and hospitality complexes, public parks and recreational areas. Furthermore, it can be used for any demanding outdoor environment requiring cost-effective, controller managed WLAN access points.

#### Designed for Outdoors

- 802.11ac, 256 users, 16 SSIDs
- 90°~120° coverage
- 23 dBm front-back ratio
- UV rated IP-67 enclosure
- Operating temp: -300°C ~ +600°C
- Electrical heater for cold start
- Ruggedized - ESD protection, industrial- grade components
- Packaged with wall mount brackets
- Special LTE coexistence filters
- Light weight ~ 1 Kg

#### cnMaestro - Wi-Fi Controller

- Guest Access: Custom splash pages, vouchers, social login
- Zero-touch provisioning
- Inventory tracking
- Map location
- Monitoring: key stats, alarms
- Mass (bulk) upgrade
- Integrated troubleshooting: Wi-Fi APs, clients & Cambium SMs
- Controller: Cloud or virtual on-premises (NOC) controller

#### Features:

- Operational superiority
- High performance Wi-Fi network
- Mesh
- Wireless backhaul integration
- Resilience

#### Access Point Features

- Frequency bands: 2.4 GHz (2.4 – 2.4835 GHz), channels 1 – 13 (ETSI/CE); 5 GHz (5.15 – 5.85 GHz)
- SSID security: WPA-2 (802.11i); WPA2-enterprise (802.1x/EAP) and WPA2-pre-shared-keys, open
- Max. SSID: 16
- Max. concurrent clients: 256
- Max. range: Client - 213 m (700 Ft); Actual range will vary based on local RF conditions and client capability. Mesh - 2.4 GHz: 3,000 m (9840 Ft.) 5 GHz: 1,500 m (4,900 Ft.)
- Max. data rates: 1.01 Gbps
- Ethernet ports: Dual Gigabit Ethernet ports (2x 10/100/1000 Base-T)
- Antenna: Dual polarized, 2x2 MIMO, integrated sector antenna
- Antenna gains: 10.5 dBi on 2.4 GHz; 13 dBi on 5 GHz
- Power supply: 56 V/ 30 W Gigabit passive PoE injector
- PoE output: Aux port - capable of 802.3af power out or canopy power (for supported Cambium ePMP or PMP450 SMs)
- Transmit power: 29 dBm at 2.4 GHz; 28 dBm at 5 GHz
- Power consumed: Typical 8 W; max. 12.95 W (no auxiliary device connected)
- Dimensions: 30 x 20.4 x 6.5 cm (without bracket)
- Weight: Without bracket 881 g (0.88 Kg); with bracket 1,063 g (1.06 Kg)
- Operating temperature: -30°C ~ +60°C
- Mounting options: Pole mount bracket (included) or wall-mount (with included bracket or without)
- LTE co-existence: Special filter for rejecting interference on 2.4 GHz from adjacent LTE bands 38, 40
- Physical security: Kensington lock bracket
- LED indicators: Two multi-color LEDs indicating access point and cnMaestro connectivity status

#### Wi-Fi Features

- Controller modes: Autonomous controller-less operations (e.g.: roaming); cloud managed; on-premise virtualized controller
- Secure WLAN: WPA-TKIP, WPA2 AES, 802.1x; 802.11w (protected management frames)
- Hotspot 2.0/ passpoint: Yes
- Captive portal: cnMaestro controller; stand-alone AP based; redirection to external RADIUS; server DNS logging
- Authentication: RADIUS based 802.1x including EAP-SIM/AKA, EAP-PEAP, EAP-TTLS, and EAP-TLS; MAC authentication (local database or External RADIUS server)
- Accounting: Yes. Supports RADIUS based accounting to multiple AAAs
- Scheduled SSID: Turn SSID on/off on a daily/ weekly/ time of day basis
- Guest access: Yes. With active directory integration; vouchers; rate limiting; splash page creation on cnMaestro;
- VLAN: VLAN pooling, dynamic VLAN assignment from RADIUS server; VLAN per SSID per user
- Data limiting: Dynamic rate limiting of client traffic per SSID
- Subscriber QoS: WMM
- Client isolation: Yes
- Controller-less fast roaming: Yes. 802.11r, opportunistic key caching supports enhanced roaming; disconnect for sticky clients
- Airtime fairness: Yes
- Meshing: Multi-hop meshing supported (3)
- Automatic channel selection: autoTune - autonomous dynamic off-channel scans w/o disconnecting clients; periodic scans and scheduled scanning
- Automatic Tx/ power control: autoRF - autonomous controller-less transmit power control
- NAT: Yes
- DHCP server: Yes
- Firewall: Yes, NAT logging
- ACL, DNS-ACL: Yes; L2, L3 or DNS based access control
- Band steering/ band balancing: Yes
- Airtime fairness: Yes
- Tunneling: L2TP; L2oGRE; PPPoE
- Tools: Packet capture; sniffer; IP connectivity; auto logging; Wi-Fi analyzer; ZapD (open source) compliant performance test tool
- Services: NTP server config; syslog servers; SNMP traps support; DNS proxy; cnPilots dependent resource state awareness feature (ADRES) turns SSID on/off based on underlying resource connectivity state
- APIs: Presence location APIs
- Certifications: FCC, ETSI, CE; EN 60601-1-2 (medical EMC); UL2043 plenum rated

#### cnMaestro Wi-Fi Controller

- Common framework: Single-pane-of-glass common manager for Cambiums cnPilot WiFi, ePMP and PMP wireless backhaul products
- On-Boarding: Secure zero touch fast on-boarding
- Provisioning: Easy zero touch virtual network provisioning; provision before install (pre-provision)
- Device inventory: Inventory tracking
- Troubleshooting: ezDetect - Advanced end to end troubleshooting of WiFi access point and client devices on one single screen. Extends to wireless backhaul (PTP), Wi-Fi hotspot and Clients. Includes packet capture and wireless analyzer functions
- Intuitive views: Map location; hierarchical dashboard views
- Client insight: Client history with client manufacturer view
- Monitoring and Alarms: Alarms and events management – critical/ major/ minor; Key statistics graphs and sticky alarm summary display
- Configuration: GUI based configuration or template based configuration options
- Software upgrade: Bulk upgrade with ability to upgrade multiple WiFi APs
- Multiple admins: Multiple admin provisioning per account
- Guest portal (ezCheck in): Create free or paid guest sessions – limit by time, rate and bytes. Includes portal customization and built-in social login

#### Specifications

Scan this QR code to  
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All details, up-to-date  
prices and availability

