

cnPilot e501S Outdoor

802.11ac 90~120°, IP67 Outdoor Access Point

Perfect for demanding, high density applications and longer range coverage across large areas, including: industrial or education campuses, enterprise and hospitality complexes, public parks and recreational areas, or just about any demanding outdoor environment requiring cost-effective, controller managed WLAN access points.

OPERATIONAL SUPERIORITY

Supporting 256 max concurrent client associations, 16 SSIDs, WPA-2 encryption, Dynamic VLANs, DFS channels, Access control lists (ACL) and more, the 802.11ac e501S is the essential workhorse for today's demanding high density outdoor WiFi networks.

HIGH PERFORMANCE WIFI NETWORK

The cnPilot e501S access points support features including: • Controller-less roaming • Dynamic Channel Selection • Automatic Transmit Power Control • Band Steering. Essential features for easy WiFi operations.

MESH FLEXIBILITY

Rapidly set-up multi-hop mesh networks either dedicating one radio (e.g. 5GHz) for mesh backhaul, or using both bands for client access at the same time. Offers a convenient way to easily expand WiFi coverage without wires.



DESIGNED FOR THE OUTDOORS

- 802.11ac, 256 users, 16 SSIDs
- 90°~ 120° coverage
- 23 dBm front-back ratio
- UV rated IP-67 enclosure
- Operating Temp: -30°C ~ +60°C
- Electrical heater for cold start
- Ruggedised - ESD protection, industrial-grade components
- Packaged with wall mount brackets
- Special LTE coexistence filters
- Light weight ~ 1Kg

WIRELESS BACKHAUL PERFORMANCE

The aux PoE port on the e501S offers PoE out eliminating the need for a second power line – perfect for powering on a standard 802.3af camera, or on Cambium’s PMP 450 or ePMP backhaul subscriber modules (SMs) for wireless backhaul enabled Wi-Fi hotspots.

FORWARD THINKING RESILIENCE

Dual on-board Active/Standby memory banks ensure higher availability. The e501S can store two versions of the software – defaulting to a working operational software if needed, reducing the likelihood of site visits and increasing network up-time.

ACCESS POINT OVERVIEW

Frequency Bands	2.4GHz: 2.4-2.4835 Channels 1 -13 (ETSI/CE) Channels 1-11 (US) 5GHz: 5:15-5:85 GHz
SSID Security	WPA-2 (802.11i): WPA2-Enterprise (802.1x/EAP) & WPA2-Preshared-keys, Open
Max SSID	16
Max Concurrent Clients	256
Max Range	Client: 213m (700 Ft.); Range will vary based on RF conditions & client capability Mesh: 2.4GHz: 3,000m (9840 Ft.) 5GHz: 1,500m (4,900 Ft.)
Max Data Rates	1.01Gbps
Ethernet Ports	Dual Gigabit Ethernet ports (2 x 10/100/1000Base-T)
Antenna	Dual Polarised. 2x2 MIMO. Integrated Omni (360°) antenna
Antenna Gains	10.5 dBi on 2.4GHz; 13 dBi on 5GHz.
Power Supply	56V/30W Gigabit passive PoE injector
PoE Out	Aux port: capable of 802.3af Power out or Canopy power (for supported Cambium ePMP or PMP450 SMs)
Transmit Power	29dBm @ 2.4GHz 28dBm @ 5 GHz
Power Consumed	Typical: 8W Max: 12.95W (no auxiliary device connected)
Dimensions (CM)	30 x 20.4 x 6.5 cm (without bracket)
Weight	Without bracket: 881g (0.88kg); With bracket: 1,063g (1.06kg)
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
Visual Status	Two (2) multi-color LEDs indicating Access Point & cnMaestro connectivity status