

# cnPilot e500 Outdoor

## 802.11ac, Gigabit IP67 Outdoor Access Point

The high powered, Gigabit speed access point, providing omni coverage for enterprise campuses. The solution for any demanding environment requiring cost-effective, controller-managed WLAN access points. Optimized for Enterprise, Educational or Industrial campuses, Public Wi-Fi, and Hospitality.

### OPERATIONAL SUPERIORITY

Supporting 256 max concurrent client associations, 16 SSIDs, WPA-2 encryption, Dynamic VLANs, DFS channels, Access control lists (ACL), zero touch provisioning and more, the 802.11ac e500 is the essential workhorse for today's demanding high density outdoor WiFi networks.

### HIGH PERFORMANCE WIFI NETWORK

The cnPilot e500 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, Omni antenna
- UV rated IP-67 enclosure
- Operating Temp: -30°C ~ +65°C
- Operating Humidity: 10% to 95%
- Electrical heater for cold start
- Ruggedised - ESD protection, industrial-grade components
- Packaged with wall mount brackets
- Special LTE coexistence filters
- Light weight ~ 881g

## WIRELESS BACKHAUL PERFORMANCE

The aux PoE port on the e500 offers PoE out eliminating the need for a second power line – perfect for powering on a standard 802.3af camera, or powering on Cambium's PMP450 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 e500 can store two versions of the software and if needed fall back to a working operational software, reducing the likelihood of site visits and increasing network up-time.

## ACCESS POINT OVERVIEW

|                        |                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency Bands        | 2.4GHz: 2.4-2.4835<br>Channels 1 -13 (ETSI/CE)<br>Channels 1-11 (US)<br>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<br>Mesh: 2.4GHz: 3,000m (9840 Ft.) 5GHz: 1,500m (4,900 Ft.) |
| Max Data Rates         | 1.16Gbps                                                                                                                                       |
| Ethernet Ports         | Dual Gigabit Ethernet ports (2 x 10/100/1000Base-T)                                                                                            |
| Antenna                | Dual Polarised. 2x2 MIMO. Integrated Omni (360°) antenna                                                                                       |
| Antenna Gains          | 5 dBi                                                                                                                                          |
| 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<br>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                                                               |