DATASHEET
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rorbit.net

OUTDOOR · WI-FI 7 · CLOUD-MANAGED

# Rorbit O570

Wi-Fi 7 that takes the heat — the Rorbit O550's chassis, proven outdoors, now with Wi-Fi 7 inside.



The Rorbit O570 brings Wi-Fi 7 to the outdoors in the same proven IP67 enclosure as the O550. One PoE cable carries both power and data, and it self-adopts to the Rorbit cloud the moment it powers on.

IP67 weatherproof | Wi-Fi 7 · BE3600 | 2.5G uplink | 256 clients | Zero-touch cloud | Mira AI built-in

| 3.6Gbps | IP67 | 2.5G | 300m |
|---|---|---|---|
| AGGREGATE RATE | INGRESS RATING | ETHERNET UPLINK | COVERAGE RADIUS |

## HIGHLIGHTS

- **Wi-Fi 7, 3.6 Gbps aggregate**
  Dual-band 2.4 + 5 GHz, MLO & OFDMA
- **2 built-in omni antennas**
  360° coverage, ~300 m radius
- **2.5 Gigabit Ethernet uplink**
  Plus a Gigabit port, both PoE 802.3at
- **Built for the outdoors**
  IP67, UV-resistant housing, lightning & surge protection
- **256 concurrent clients**
  Fat/thin AP mode, VLAN-aware
- **Zero-touch**
  Self-adopts to Rorbit — no per-unit setup

## The same enclosure you already trust outdoors, now carrying Wi-Fi 7.

The O570 is the Wi-Fi 7 sibling of the O550 — identical housing and mounting, proven outdoors, with a dual-band Wi-Fi 7 radio inside. MLO and OFDMA keep clients fast and responsive across roughly a 300 m radius, with a **High density mode** for when the crowd arrives.

From the moment it draws power, the O570 is already talking to the **Rorbit cloud**: it adopts itself, applies your policy, streams live telemetry and caps its power to the local regulatory limit on its own. You mount it, run one cable, and it appears in your console.

## PRODUCT VIEWS



**Angled view**
IP67 outdoor enclosure



**Rear**
Pole & wall mount bracket



**Underside**
Ports, reset & status LEDs

## MANAGED BY RORBIT

### Zero-touch cloud adoption
Self-adopts over a cert-pinned link — no per-unit setup.

### Mira AI assistant
Plain-language insight & alert triage over your fleet.

### True multi-tenant
Many customers & sites, database-enforced isolation.

### Unattended updates
Signed OTA with automatic rollback.

### Regulatory-correct
Per-site country EIRP cap, automatically.

### Multi-vendor controller
Adopt Cambium cnPilot beside your Rorbit APs.

## APPLICATIONS

- ✓ Outdoor venues & hospitality
- ✓ Campus & yards
- ✓ Warehousing & logistics
- ✓ Public spaces & municipal
- ✓ Perimeter & CCTV backhaul

## COMPLIANCE & ENVIRONMENT

**CE** **FCC**

IP67 · −30 °C to 55 °C operating · 5–95% non-condensing.
Country-specific approvals available on request.

## SECURITY & TRUST

### Signed firmware only
Every image is cryptographically signed and verified before it installs.

### Pinned control channel
Each AP reaches the controller over a certificate-pinned, encrypted link.

### No local attack surface
No local web interface and no default password to exploit.

### Tenant isolation
Database-enforced separation between every customer and site.

### Regulatory-safe radio
Transmit power held to each country's legal limit on every channel.

### Automatic rollback
A failed update or bad config rolls itself back — no truck roll.

## TECHNICAL SPECIFICATIONS

### WIRELESS — 2.4 GHZ

| | |
|---|---|
| Standards | 802.11 b/g/n/ax/be |
| Frequency band | 2.400 – 2.4835 GHz |
| MIMO | 2×2 |
| Antennas | 2 × built-in omnidirectional, 360° |
| Max data rate | 688 Mbps |
| Max TX power | On request |

### WIRELESS — 5 GHZ

| | |
|---|---|
| Standards | 802.11 a/n/ac/ax/be |
| Frequency band | 5.150 – 5.850 GHz (per country) |
| MIMO | 2×2 |
| Antennas | Shared with 2.4 GHz array |
| Max data rate | 2882 Mbps |
| Max TX power | On request |

### HARDWARE

| | |
|---|---|
| Summary | Qualcomm Wi-Fi 7 platform · dual-band 2×2 + 2×2, MLO & OFDMA · up to 3.6 Gbps (BE3600) · 256 concurrent clients · ~300 m coverage radius |

### INTERFACES & CONTROLS

| | |
|---|---|
| Uplink | 1 × 2.5 Gbps RJ45, 48 V PoE-in (802.3at) |
| Ethernet | 1 × Gigabit RJ45 |
| Reset | Factory reset: hold 6–10 s — returns to Rorbit OS defaults and re-adopts |
| Indicators | PWR · SYS · WAN · 2.4G · 5G |
| Power input | 48 V standard PoE (802.3at) |
| Power consumption | On request |

### ENVIRONMENTAL

| | |
|---|---|
| Operating temperature | −30 °C to 55 °C |
| Storage temperature | −40 °C to 70 °C |
| Ingress protection | IP67 |
| Enclosure | UV-resistant plastic housing |

### PHYSICAL

| | |
|---|---|
| Dimensions | 304 × 181 × 88 mm |
| Net weight | On request |
| Mounting | Pole / wall bracket included |

## ON-DEVICE SOFTWARE — RORBIT OS

| | |
|---|---|
| Operating mode | Cloud-managed access point (bridged to your LAN) |
| SSIDs | 8 per band (16 total); hidden SSID |
| Security | WPA2-Personal, WPA3-Personal, WPA2/WPA3 mixed (PMF), ePSK (a personal passphrase per user or room) |
| Access control | Client isolation, client limit per radio, MAC allow / deny lists |
| Roaming & density | 802.11r fast roaming; High density mode (slow legacy rates off, weak clients refused, multicast sent as unicast) |
| Radio | Per-country regulatory power cap on every channel; DFS |
| Management | Signed over-the-air updates with automatic rollback; LLDP neighbour discovery; locate (blink from the dashboard) |
| Hardening | No local web interface and no default password; controller certificate pinned; signed firmware only |

## STATUS INDICATORS

| LED | Meaning |
|---|---|
| **PWR** | Power |
| **SYS** | Slow blink: booting · fast blink: no internet · double blink: connecting · solid: online |
| **2.4G / 5G** | Radio active |
| **WAN** | Uplink connected, flickers with traffic |
| **All LEDs fast** | Updating (don't unplug) |
| **All LEDs slow** | Locate (from the dashboard) |

## DIMENSIONS

**304 × 181 × 88 mm**
Dimensions (H × W × D)

**IP67**
Ingress rating

**2.5G + 1G**
Ethernet ports

**48 V PoE**
Power input (802.3at)

## IN THE BOX

- ✓ Rorbit O570 access point
- ✓ Pole & wall mount bracket
- ✓ Waterproof RJ45 gland
- ✓ Mounting screws & clamp
- ✓ Quick-start guide + claim-code card

## ORDERING INFORMATION

| Order code | Description |
|---|---|
| **ROR-O570** | Rorbit O570 — outdoor Wi-Fi 7 access point, IP67, 2.5G + Gigabit PoE uplink, pole/wall bracket. Ships with Rorbit OS, cloud-managed. |
| **ROR-POE-60** | 60 W 802.3at/bt PoE injector (optional; one per AP where no PoE switch is present) |

A one-time claim code for cloud adoption is issued per unit at the controller.

### One console for your whole fleet

Manage every Rorbit AP — indoor and outdoor — beside your existing Cambium fleet, from a single cloud console.

*Maximum transmit power is a hardware capability; Rorbit OS automatically limits actual radiated power to the regulatory limit of each site's country. Data rates are theoretical maximums; real-world throughput, client capacity and coverage vary with environment, mounting and client mix. Specifications subject to change without notice.

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