OUTDOOR LONG-RANGE · WI-FI 7 · CLOUD-MANAGED

Rorbit O570-LR

Wi-Fi 7 aimed where you need it — a directional outdoor panel for beaches, car parks and long open runs.



The Rorbit O570-LR is a rugged IP68 panel with a built-in high-gain directional antenna that throws Wi-Fi 7 across beaches, car parks, perimeters and open yards — a coverage radius beyond 800 m in open space. It self-adopts to the Rorbit cloud on power-up.

IP68 weatherproof | Wi-Fi 7 | 3.6 Gbps | Directional | 2.5G PoE | Mira AI built-in

3.6Gbps	800 m+	IP68	256
AGGREGATE RATE	COVERAGE RADIUS	WEATHERPROOF	CLIENTS

HIGHLIGHTS

- **Wi-Fi 7, 3.6 Gbps (BE3600)**
  Dual-band 2.4 + 5 GHz, MLO & OFDMA
- **High-gain directional antenna**
  Built-in, >800 m coverage radius in open space
- **Built for the outdoors**
  IP68 housing, high-power front-end, lightning protection
- **2.5 Gigabit throughout**
  2.5G SFP + 2.5G WAN (PoE-in) + 2.5G LAN (PoE-out)
- **256 clients**
  High-density outdoor coverage
- **Zero-touch**
  Self-adopts to Rorbit — no per-unit setup

Point it, and it covers the whole stretch.

One O570-LR covers a long run of sand, a full car park or an open yard — a built-in high-gain directional antenna and a high-power radio front-end throw Wi-Fi 7 where an omni can't reach, for a coverage radius beyond 800 m in clear line of sight. Walls, glass and interference shorten that, so a site survey gives the real number for your location.

From power-up it adopts itself to the **Rorbit cloud**, applies your policy, streams live telemetry and caps its power to the local regulatory limit — signed updates, automatic rollback, no truck roll.

PRODUCT VIEWS



Angled view
IP68 directional panel



Rear
Mount points & gland plate



Ports
SFP · WAN · LAN · DC 48V

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

- ✓ Beaches & promenades
- ✓ Car parks & yards
- ✓ Open-area & campus coverage
- ✓ Compound & perimeters
- ✓ Point-to-point links

COMPLIANCE & ENVIRONMENT

CE **FCC**

IP68 · lightning protected · −40 °C to 70 °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
Band	2.400 – 2.484 GHz
MIMO	2×2
Antenna	Built-in high-gain directional
Max data rate	688 Mbps
Max TX power	24 ± 2 dBm*

WIRELESS — 5 GHZ

Standards	802.11 a/n/ac/ax/be
Band	5.150 – 5.850 GHz (per country)
MIMO	2×2
Antenna	Built-in high-gain directional
Max data rate	2882 Mbps
Max TX power	23 ± 2 dBm*

HARDWARE

Summary	Qualcomm Wi-Fi 7 platform · dual-band 2×2 + 2×2, MLO & OFDMA · high-power external FEM · up to 3.6 Gbps (BE3600) · 256 clients · >800 m coverage radius (open space)

INTERFACES & CONTROLS

Uplink (SFP)	1 × 2.5 Gbps SFP
Uplink (WAN)	1 × 2.5 Gbps RJ45, 802.3at PoE-in
LAN	1 × 2.5 Gbps RJ45, 802.3af PoE-out
Reset	Factory reset: hold 6–10 s
Indicators	WiFi · LAN · WAN · SFP · SYS
Power	PoE 802.3at, or 48 V DC · < 17 W

ENVIRONMENTAL

Operating temperature	−40 °C to 70 °C
Storage temperature	−40 °C to 70 °C
Ingress protection	IP68 · lightning protection

PHYSICAL

Dimensions	218 × 243 × 64 mm
Net weight	1.825 kg
Mounting	Pole / wall bracket

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
SYS	System — solid green once started; blinks if the cloud link drops
WiFi	Blinks when a radio is enabled; off when all radios are off
WAN	Uplink — solid: link up · blinking: traffic · off: down
LAN	Wired port — solid: link · blinking: traffic
SFP	Fibre uplink — solid: link · blinking: traffic

DIMENSIONS

218 × 243 × 64 mm
Dimensions (H × W × D)

1.825 kg
Net weight

IP68
Ingress rating

2.5G PoE
Power & uplink

IN THE BOX

- ✓ Rorbit O570-LR access point
- ✓ Pole & wall mounting kit
- ✓ Waterproof cable glands
- ✓ Quick-start guide + claim-code card

ORDERING INFORMATION

Order code	Description
ROR-O570LR	Rorbit O570-LR — Wi-Fi 7 outdoor long-range directional AP, IP68, 2.5G SFP + 2.5G PoE. Ships with Rorbit OS, cloud-managed.
ROR-POE-60	60 W 802.3at/bt PoE injector (optional)

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, outdoor and long-range — 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.

rorbit.net
sales@rorbit.net
Riser Technologies
Dubai, United Arab Emirates