OUTDOOR · WI-FI 7 TRI-BAND · CLOUD-MANAGED

Rorbit O970

IP67 tri-band Wi-Fi 7 outdoor access point with a 10 Gigabit uplink — cloud-managed, built for the open air.



The Rorbit O970 brings tri-band Wi-Fi 7 to the outdoors in a rugged, all-metal IP67 enclosure with a 10 Gigabit fibre uplink and 802.3bt PoE. It self-adopts to the Rorbit cloud on power-up.

IP67 weatherproof · Wi-Fi 7 Tri-band · 13 Gbps · 10G uplink · Tri-band 2.4·5·6 · Mira AI built-in

13Gbps	IP67	10G	On request
AGGREGATE RATE	INGRESS RATING	SFP+ / WAN	CLIENTS

HIGHLIGHTS

- **Wi-Fi 7 tri-band, 13 Gbps (BE13000)**
  2.4 + 5 + 6 GHz, MLO, 320 MHz, 4096-QAM
- **All-metal IP67 enclosure**
  −40 °C to 70 °C, built for the outdoors
- **10G fibre + 10G WAN**
  1 × 10G SFP · 1 × 10GE WAN · 1 × 2.5GE LAN
- **High-density outdoor**
  Tri-band Wi-Fi 7 for the open air
- **802.3bt PoE**
  High-power PoE or DC 54 V · < 42 W
- **Zero-touch**
  Self-adopts to Rorbit — no per-unit setup

Wi-Fi 7, built to live outside.

The O970 covers plazas, campuses, yards and perimeters with tri-band Wi-Fi 7 and a 10 Gigabit uplink, sealed to IP67 in an all-metal aluminium chassis rated from −40 °C to 70 °C.

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
3/4 view



Ports
SFP · WAN · LAN · SYS



Rear
Mount plate & antenna ports

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
- ✓ Public spaces & municipal
- ✓ Warehousing & logistics
- ✓ Perimeter coverage

COMPLIANCE & ENVIRONMENT

CE **FCC**

IP67 · all-metal aluminium · −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	On request
Antennas	External omnidirectional
Max data rate	On request
Max TX power	On request

WIRELESS — 5 GHZ & 6 GHZ

Standards	a/n/ac/ax/be (5 GHz) · ax/be (6 GHz)
5 GHz	5.150–5.850 GHz (per country)
6 GHz	5.925–7.125 GHz (per country)
Aggregate (tri-band)	13 Gbps (BE13000)
Max TX power	On request

HARDWARE

Summary	Qualcomm Wi-Fi 7 platform · tri-band 2.4 + 5 + 6 GHz, MLO, 320 MHz, 4096-QAM · up to 13 Gbps (BE13000)

INTERFACES & CONTROLS

Uplink (SFP)	1 × 10 GbE SFP (fibre)
Uplink (WAN)	1 × 10 Gbps RJ45, 802.3bt PoE-in
LAN	1 × 2.5 Gbps RJ45
Reset	Factory reset: hold 6–10 s
Indicators	WAN · LAN · WiFi · SFP · SYS
Power	PoE 802.3bt, or DC 54 V/1 A · < 42 W

ENVIRONMENTAL

Operating temperature	−40 °C to 70 °C
Storage temperature	−40 °C to 70 °C
Ingress protection	IP67 · all-metal aluminium

PHYSICAL

Dimensions	318 × 269 × 90 mm
Net weight	On request
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
WAN	Uplink — solid: link up · flashing: traffic · off: down
LAN	Wired port — solid: link · flashing: traffic
WiFi	2.4 GHz green · 5/6 GHz blue, flashes with traffic
SFP	Fibre uplink — solid: link · flashing: traffic
SYS	Red at power-on, then green once the system is up

DIMENSIONS

318 × 269 × 90 mm
Dimensions (H × W × D)

IP67
Ingress rating

802.3bt PoE
Power

Rorbit OS
Firmware

IN THE BOX

- ✓ Rorbit O970 access point
- ✓ Pole & wall mount bracket
- ✓ Waterproof cable glands
- ✓ Quick-start guide + claim-code card

ORDERING INFORMATION

Order code	Description
ROR-O970	Rorbit O970 — Wi-Fi 7 tri-band outdoor AP, IP67, 10G SFP + 10G/2.5G ports, 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 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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