INDOOR IN-WALL · WI-FI 7 · CLOUD-MANAGED

Rorbit W570

Wi-Fi 7 in-wall access point with a built-in switch — one uplink powers the room and four wired ports behind it.



The Rorbit W570 fits a standard 86 mm wall box and turns a single 2.5 Gigabit uplink into room coverage plus four Gigabit ports — ideal for hotel rooms, dorms and offices. It self-adopts to the Rorbit cloud the moment it powers on.

Wi-Fi 7 | 3.6 Gbps | 2.5G PoE uplink | 4× Gigabit LAN | Zero-touch cloud | Mira AI built-in

3.6Gbps	128	2.5G	4×1G
AGGREGATE RATE	CLIENTS	POE UPLINK	WIRED LAN

HIGHLIGHTS

- **Wi-Fi 7, 3.6 Gbps (BE3600)**
  Dual-band 2.4 + 5 GHz, MLO & OFDMA
- **Built-in 4-port switch**
  4 × Gigabit LAN (LAN1 PoE-out) + pass-through pair
- **2.5G PoE uplink**
  Single cable powers the unit and the room
- **Fits a standard wall box**
  160 × 86 mm in-wall, 29 mm deep
- **128 clients**
  High-density deployment ready
- **Zero-touch**
  Self-adopts to Rorbit — no per-unit setup

One unit for the whole room.

The W570 brings Wi-Fi 7 coverage and a four-port switch to the wall — phones and laptops on the air, the TV, IPTV box and desk PC on the wired ports, all from one 2.5 Gigabit uplink. A USB 2.0 port and a pass-through pair round it out.

From first power-up it talks to the **Rorbit cloud**: it adopts itself, applies your WLANs, streams live telemetry and holds its power at the local regulatory limit. Updates arrive signed, and roll back on their own if anything goes wrong.

PRODUCT VIEWS



Status LEDs
SYS · 2.4G · 5G · WAN · LAN + USB



Side ports
Reset & power edge



Underside
2.5G WAN + 4× LAN + USB

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

- ✓ Hotel rooms & dorms
- ✓ Offices & meeting rooms
- ✓ Student housing
- ✓ Serviced apartments
- ✓ Clinics

COMPLIANCE & ENVIRONMENT

CE **FCC**

Indoor use · −10 °C to 40 °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
Antennas	Internal omnidirectional
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
Antennas	Internal omnidirectional
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 · up to 3.6 Gbps (BE3600) · 128 clients

INTERFACES & CONTROLS

Uplink (WAN)	1 × 2.5 Gbps RJ45, 48 V PoE-in
Downlink (LAN)	4 × Gigabit RJ45 (LAN1 PoE-out)
Pass-through	1 pair, 1:1 transparent
USB	1 × USB
Reset	Factory reset: hold 6–10 s
Power	48 V standard PoE (802.3at) · < 24 W

ENVIRONMENTAL

Operating temperature	−10 °C to 40 °C
Storage temperature	−40 °C to 70 °C
Humidity	5% – 95%, non-condensing

PHYSICAL

Dimensions	160 × 86 × 29 mm
Net weight	0.26 kg
Mounting	Standard 86 mm wall box

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 when online; blinks while booting or updating
2.4G	2.4 GHz radio active, flickers with traffic
5G	5 GHz radio active, flickers with traffic
WAN	Uplink connected, flickers with traffic
LAN 1–4	Per-port link / activity

DIMENSIONS

160 × 86 × 29 mm
Dimensions (H × W × D)

0.26 kg
Net weight

2.5G PoE
Power & uplink

Rorbit OS
Firmware

IN THE BOX

- ✓ Rorbit W570 access point
- ✓ In-wall mounting frame & screws
- ✓ Quick-start guide + claim-code card

ORDERING INFORMATION

Order code	Description
ROR-W570	Rorbit W570 — Wi-Fi 7 in-wall AP, 2.5G PoE uplink + 4-port Gigabit switch. 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 — in-wall, ceiling 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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