INDOOR IN-WALL · WI-FI 6 · CLOUD-MANAGED

Rorbit W550

Slim Wi-Fi 6 in-wall access point — a single Gigabit wall plate that disappears into the room and runs itself from the cloud.



The Rorbit W550 is an AX3000 Wi-Fi 6 wall plate for the 86 mm box: dual-band coverage plus a wired Gigabit port, powered over one PoE cable. It self-adopts to the Rorbit cloud the moment it powers on.

Wi-Fi 6 · AX3000 | 3 Gbps | Gigabit PoE uplink | 128 clients | Zero-touch cloud | Mira AI built-in

3000Mbps	128	1 GbE	<12W
AGGREGATE RATE	CLIENTS	POE UPLINK	POWER DRAW

HIGHLIGHTS

- **Wi-Fi 6, 3 Gbps (AX3000)**
  Dual-band 2.4 + 5 GHz, OFDMA & MU-MIMO
- **Slim 86 mm wall plate**
  Fits a standard wall box, only 8 mm proud
- **Gigabit PoE uplink + 1 LAN**
  One cable powers the plate and the desk
- **128 clients**
  High-density deployment ready
- **Hidden RGB status light**
  Discreet, controller-driven
- **Zero-touch**
  Self-adopts to Rorbit — no per-unit setup

A Wi-Fi 6 wall plate that disappears into the room.

The W550 turns the wall socket into dual-band Wi-Fi 6 coverage with a wired Gigabit port behind it — ideal for hotel rooms, dorms and offices where a ceiling AP isn't wanted. It sits almost flush, with a hidden status light that only the installer needs to see.

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 — signed updates, automatic rollback, no per-unit setup.

PRODUCT VIEWS



Exploded
Plate, board & wall box



Wall plate
Installed face



Rear
RJ45 & wall box

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
Band	2.400 – 2.4835 GHz
MIMO	2×2
Antennas	Internal, 2 dBi
Max data rate	574 Mbps
Max TX power	19 ± 2 dBm*

WIRELESS — 5 GHZ

Standards	802.11 a/n/ac/ax
Band	5.150 – 5.850 GHz (per country)
MIMO	2×2
Antennas	Internal, 2 dBi
Max data rate	2402 Mbps
Max TX power	18.5 ± 2 dBm*

HARDWARE

Summary	Qualcomm Wi-Fi 6 platform · dual-band 2×2 + 2×2, OFDMA & MU-MIMO · up to 3 Gbps (AX3000) · 128 clients

INTERFACES & CONTROLS

Uplink (WAN)	1 × Gigabit RJ45, PoE-in
Downlink (LAN)	1 × Gigabit RJ45
Reset	Factory reset: hold 6–10 s
Indicator	Hidden RGB status light
Power	PoE-in 802.3af (48 V) · < 12 W

ENVIRONMENTAL

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

PHYSICAL

Dimensions	86 × 86 × 38.3 mm (8 mm proud of the wall)
Net weight	0.15 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

Colour	Meaning
Red, slow blink	Booting
Red, fast blink	No internet
Blue blink	Connecting to the Rorbit cloud
Blue, solid	Online
Purple, fast blink	Updating (don't unplug)
White	Locate (from the dashboard)

DIMENSIONS

86 × 86 × 38.3 mm
Dimensions (H × W × D)

0.15 kg
Net weight

1G PoE
Power & uplink

Rorbit OS
Firmware

IN THE BOX

- ✓ Rorbit W550 access point
- ✓ In-wall mounting frame & screws
- ✓ Quick-start guide + claim-code card

ORDERING INFORMATION

Order code	Description
ROR-W550	Rorbit W550 — Wi-Fi 6 in-wall AP, Gigabit PoE uplink + 1 LAN. 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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