

KEEP THE BUSINESS CONNECTED.

RF SOLUTIONS FOR HIGH INTEGRITY CONNECTIVITY

RF Antennas.
Engineered Around Your
Application.

WHEN CONNECTIVITY STOPS, BUSINESS FEELS IT.

Payment authorisations, cloud services, remote offices and real-time experiences depend on a stable data path. Bloomice helps engineer the antenna, mounting, cable and connector around the router, the site and the continuity requirement - for primary cellular links and dependable backup.

CONTINUITY STARTS WITH THE RF LINK

A router can switch networks only if the alternative link can carry the workload. Building fabric, interference, antenna integration and busy-hour demand all shape performance. Design for signal quality, usable capacity and repeatable operation in the real installation.



RETAIL, BANKING & TRANSACTIONS



GAMING & REAL-TIME EXPERIENCES

01 BUILDINGS AND POSITION

Concrete, coated glazing and metal racks can weaken the link. Move the antenna towards usable coverage; validate its clearance, orientation and mounting surface.

02 SIGNAL QUALITY UNDER LOAD

Signal bars alone miss interference and congestion. Assess RSRP, RSRQ and SINR alongside upload, download, latency, jitter and packet loss at busy times.

03 MIMO AND CABLE LOSSES

Preserve the router's required independent RF paths. Match bands and ports, manage antenna coupling, and keep coaxial runs short enough to retain the placement benefit.

04 A BACKUP THAT IS READY

Test loss of the primary WAN and recovery with live applications. Review operator diversity, health checks and backup power as part of the continuity plan.

WHERE HIGH INTEGRITY CONNECTIVITY MATTERS

CELLULAR FAILOVER

Backup WAN / branch resilience

RETAIL & PAYMENTS

Tills / terminals / self-service

BANKING & BRANCHES

Transactions / remote access

REMOTE OFFICES

Cloud tools / primary cellular

GAMING & VENUES

Responsive sessions / live services

OEM ROUTERS & GATEWAYS

Integrated cellular / Wi-Fi design

FROM ROUTER PORT TO REAL-WORLD PERFORMANCE

THE RIGHT ANTENNA

FOR THE CONNECTION

Six complementary options address outdoor reception, indoor integration, flexible positioning and local Wi-Fi. Specify by radio architecture and installed conditions, rather than headline gain alone.



01 MIMO-PLUS 5G NR / LTE

BEST FIT External primary & failover WAN

FORMAT & CAPABILITY

Two cellular feeds / 2 x SMA male / 617-5925 MHz in four bands / IP66

Take both cellular paths outside building shielding, with one wall- or pole-mounted housing.



02 PARED-J-NF/5G/HG

BEST FIT Fixed sites needing greater RF gain

FORMAT & CAPABILITY

Omni / up to 10 dBi peak, frequency dependent / IP66 / N female

A high-gain external option. Check the serving band and cable loss before committing to the installation.



03 CUADO L 5G

BEST FIT Discreet indoor & enclosure mounting

FORMAT & CAPABILITY

617-960 / 1427-2690 / 3300-5000 MHz / adhesive dipole / IP65

A slim encapsulated antenna for a better RF position without a prominent projecting whip.



04 MAG FW-5G

BEST FIT Flexible branch & temporary setup

FORMAT & CAPABILITY

72 x 31 mm / magnetic / LTE + 5G NR / IP66 / ground-plane dependent

Reposition on a suitable metal surface to find a stronger installed link before fixing the cable route.



05 PALO-78H LTE / 5G

BEST FIT Direct-mounted router connections

FORMAT & CAPABILITY

78 mm hinged / SMA male / four bands to 5925 MHz / ground-plane dependent

Compact direct mounting reduces feeder length; keep the router clear of shielding and validate its ground plane.



06 HPAL110 / 2.4-5.8

BEST FIT Dual-band Wi-Fi router links

FORMAT & CAPABILITY

2.4 GHz + 4900-5825 MHz / hinged SMA male / ground-plane dependent

Support the local Wi-Fi path alongside cellular WAN. Confirm connector polarity and the router's antenna architecture.



Frequency ranges are discontinuous where stated. Single-feed antennas require one unit per required RF path; the MIMO-PLUS has two feeds. Check the complete router configuration.

RF EXPERTISE SINCE 2001

ENGINEER CONTINUITY INTO THE CONNECTION

Bloomice combines antenna selection, integration support and RF validation to solve complex connectivity challenges, supported by a long-standing technical collaboration with Telit Cinterion.

FIVE QUESTIONS BEFORE AN ANTENNA IS SPECIFIED

- 01 WORKLOAD?** Payments, cloud access, live sessions; traffic and recovery needs.
- 02 RADIO?** Required bands, 2x2 or 4x4 MIMO, each feed and connector.
- 03 SITE?** Building shielding, ground plane, clearance and interference.
- 04 RF PATH?** Antenna location, cable loss, sealing and service access.
- 05 CONTINUITY?** Operator diversity, backup power and tested failover.

SPECIFY THE LINK. PROVE THE APPLICATION.

Survey candidate positions, verify every RF path and record performance with the final mounting and cable. Prove failover under representative load, then capture the configuration for a repeatable rollout.

PRODUCT	WHERE IT ADDS VALUE	INSTALLATION PRIORITY
MIMO-PLUS	External cellular MIMO / failover	Match two feeds to radio ports
PARED-J-NF/5G/HG	Additional gain at fixed sites	Band gain / feeder loss / siting
CUADO L 5G	Discreet cellular integration	Clearance / enclosure effects
MAG FW-5G	Relocatable cellular mounting	Suitable metal ground plane
PALO-78H	Direct-mounted cellular router	Router position / ground plane
HPAL110 / 2.4-5.8	Local dual-band Wi-Fi	SMA / RP-SMA compatibility

HIGH INTEGRITY STARTS WITH THE COMPLETE SYSTEM Antenna + mounting + cable + connector + network diversity + backup power + failover validation

BRING BLOOMICE THE ROUTER, THE SITE AND THE REQUIREMENT.

We will help define the antenna, cable, connector and validation route around your application.

