ButterflyMX

Cellular Alternatives

Elevate your property's access control with ButterflyMX, offering versatile connectivity options for any installation scenario

ButterflyMX: Flexible Intercom Solutions with Cellular & IP Connectivity

Traditional connectivity methods like ethernet or Wi-Fi may not always be an option. Here are our tips and recommendations for cellular connectivity.

Note: Cellular is not recommended for security cameras due to high data usage.

Cellular Routers

- Wireless Freedom: Eliminate trenching and complex wiring for fast, cost-effective installations. Ideal for retrofits and new construction.
- Enhanced Reliability: Robust cellular connections ensure consistent communication, minimizing downtime.
- Scalability: Easily add or relocate intercom units without infrastructure limitations.
- 4G LTE & 5G Options: High-bandwidth support for video calls and mobile access.

Recommended Cellular Router Brands

- Zyxel: Enterprise-grade routers for maximum performance and security — tested in-house with ButterflyMX Products
- Inseego: Compact and cost-effective cellular solutions
- Peplink: Multi-WAN routers for maximum uptime and bandwidth aggregation

ISP-Provided 5G Routers

- Cellular Business Internet: Some ISPs (like T-Mobile, Verizon, and AT&T) offer cellular routers as part of their business internet packages.
- Dedicated Cellular Connection: Provides a dedicated cellular connection for the ButterflyMX system.
- Note: ISP routers may not be available in all areas.

Key Features to Look For

- LTE Cat4 to LTE Cat20 support for cellular router
- PoE support
- Ruggedized outdoor-rated options or enclosures
- Carrier availability for your region/location
- Carrier flexibility is ideal: AT&T, Verizon, T-Mobile
- Cellular carrier coverage may not be available in all areas. Test with the carrier or reach out to solutionsarchitecture@butterflymx.com before committing to a cellular purchase.

Target Recommendations

- Highly recommend an unlimited data plan if possible
- At least Consistent 3–5 Mbps Up/Down
- <100ms Latency
- 99%+ network uptime (carrier SLA or multiple SIM fallback)
- If your cellular module or router supports LTE Cat 4+, that's a solid starting point.
- If you're in a weaker signal area, consider external antennas or carrier aggregation (LTE-A) support.

Note: Router maintenance and firmware updates are the responsibility of the router manufacturer, and any issues should be directed to them.