

Digital connectivity options for an outbuilding office

Location :- 65B Windsor Road, Prestwich, M25 0DB,

1. Run a Wired Connection from the Main Building (Best if nearby)

Options

- **External-grade Ethernet (Cat6/Cat6a)** in conduit
- **Fibre cable** between buildings (most robust)

Pros

- Fastest and most reliable
- Low latency (great for video calls, cloud work)
- One internet contract

Cons

- Installation cost (trenching or clipping externally)
- Needs careful weatherproofing and grounding

Best when: The outbuilding is within ~100m and you want business-grade reliability.

2. Point-to-Point Wireless Link (Very Popular for Outbuildings)

Uses two small directional antennas (e.g., Ubiquiti, TP-Link) to “beam” internet from the main building.

Pros

- No digging
- Very fast (300 Mbps–1 Gbps possible)
- Stable if there’s clear line of sight

Cons

- Slight setup complexity
- Needs power at both ends

Best when: You want near-wired performance without civil works.

3. Upgrade Broadband and Extend Internally

If the outbuilding is attached or very close:

- Mesh Wi-Fi with outdoor-rated node
- Powerline adapters (only if on same electrical supply)

Pros

- Lowest upfront cost
- Quick to deploy

Cons

- Often unreliable for offices
- Performance drops with distance/interference

Best when: Light office use only (email, basic browsing).

4. Separate Internet Connection to the Outbuilding

Options

- FTTP / FTTC (if available)
- Business broadband
- 4G/5G router

Pros

- Independent connection
- Easy if fibre is already available

Cons

- Monthly cost
- Install delays
- 4G/5G can be variable

Best when: The outbuilding is rented, distant, or needs independence.

5. Mobile (4G/5G) as Primary or Backup

A dedicated router with external antenna.

Pros

- Fast deployment
- Good backup for resilience

Cons

- Speed depends on local signal
- Data limits/costs

Best when: As a temporary solution or failover.

Recommended Setup (Typical Home Office)

If this is a **permanent, professional workspace**:

Point-to-point wireless link or **buried Cat6/fibre**, plus
Mesh Wi-Fi inside the outbuilding