



PRACTICAL GUIDE · 7IT SOLUTIONS & 7IT TECHNOLOGIES

Keeping your internet connection running

Fibre, 4G/5G, satellite, UPS: the right choices to keep your business connected

● CONNECT

Email, online software, payments, video calls: when the internet stops, the business stops. The more your work relies on the cloud, the more critical your connection becomes. This guide helps you assess your situation and build a resilient connection.

1. Assess your situation

- ☐ How many people can no longer work if the internet goes down for four hours?
- ☐ Which activities stop: sales, payments, customer service, production?
- ☐ How many outages have you had in the last six months, and how long did they last?
- ☐ Do your outages come from the provider, the equipment or the power supply?
- ☐ Do you already have a backup connection, and has it been tested recently?

2. Compare technologies

Technology	Strengths	Limitations	Best use
Fibre	Very high speed, low latency, stable bandwidth	Not available everywhere, connection lead times	Main connection in covered areas
4G / 5G	Quick to install, available in many areas	Speed varies with coverage and traffic	Automatic backup, temporary sites

Technology	Strengths	Limitations	Best use
Low-earth-orbit satellite	High speed almost anywhere, low latency	Authorization varies by country, needs a clear view of the sky	Remote sites, main or backup connection
Radio link	Good alternative where fibre is lacking	Requires a clear line of sight between antennas	Connecting nearby buildings or sites

3. Recommended architecture

- Two independent connections, ideally from two providers using two different technologies.
- A business-grade router or firewall that manages several links and fails over automatically.
- Priority for critical traffic (telephony, business software) when bandwidth is reduced.
- A UPS powering the modem, router and switches during power cuts.
- Monitoring that alerts you when a link goes down or when the backup takes over.

Many “internet outages” are actually power cuts. A properly sized UPS is often the most cost-effective investment.

4. Satellite (Starlink)

Low-earth-orbit satellite internet such as Starlink now provides high speeds and low latency, even far from fixed networks. Its availability depends on each country’s regulations, so check before buying. In Cameroon, it is subject to authorization by the regulatory authorities. A professional installation ensures a well-placed antenna, protected cables and secure integration into your network.

5. Continuity checklist

- ☐ Two independent internet connections are in place.
- ☐ Failover between them is automatic and has been tested.
- ☐ Network equipment is protected by a UPS.
- ☐ Links are monitored and someone receives the alerts.
- ☐ An outage drill is carried out at least twice a year.
- ☐ Provider contacts and contract numbers are available offline.

Let's talk about your project

Need help? 7IT Solutions and 7IT Technologies survey your site, recommend the right combination of connections and install the equipment, wherever each service is authorized.

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