

How to Stay Permanently Online With a Truly Resilient Connection

Everything you need to know about creating “Always On” connectivity



How much could downtime cost your business?





‘Always On’ Internet Connectivity with APC Solutions

Get dedicated internet speeds of up to 10Gbps. Has your existing provider told you that they can’t provide resilience or diversity? At APC, we specialise in designing truly diverse and resilient solutions for businesses across the UK. One of the ways we achieve this is through the use of high capacity microwave radio links for last mile delivery using our “IVM” (Internet via microwave) product. This gives you the ultimate backup internet connection, when paired with one of our managed service products. Our IVM solutions empower your business with a truly resilient connection and guaranteed failover. Plus, if your business requires - IVM can also be used as part of a load balancing configuration. These solutions can also be used to protect site to site connections or MPLS in the same way.

If IVM isn’t suitable for your needs, you can alternatively protect your existing internet connection with one of our managed router options and add a second connection from our other options. Six different connection types are available depending on your location, budget and objectives.

Stay ‘Always On’ by Choosing One of the Following:

IVM (Internet via microwave)

An ultra high capacity last mile microwave radio link connected back to a Point of Presence where a fibre cable is present. Can offer exchange resilience and cable routing diversity as the link can travel several tens of kilometres. Offered as a ‘wires only’ service whereby you can manage the router and failover process or as a managed service as part of one of our other services (Load balancing or Failover)

Load balancing / Bonding

Two different types of connectivity or the same with the advantage of sending data over both circuits and when one circuit fails or is under severe load the other circuit carries the traffic. Offered as a managed service, the primary circuit doesn’t need to be supplied by APC. This service can be offered with a single WAN IP for both connections.

Failover

A failover service will have the same speed or bandwidth connections (primary and secondary) and when the primary fails, the second kicks in without users noticing any difference. The primary circuit doesn’t need to be APC supplied. This service can be offered with a single WAN IP for both connections.

Which Backup Internet Connection Best Suits Your Business?

	Low latency	Max speed available	Mission Critical SLA	Uncontended and dedicated	Local Openreach infrastructure	Speed of delivery (typical)
IVM	Yes	10Gbps	Yes	Yes	No	14-30 Days
Fibre Leased Line	Yes	10Gbps	Yes	Yes	Yes/No*	45-90 Days
FTTC	Yes	80Mbps	No	No	Yes	14-30 Days
FTTP	Yes	1Gbps	No	No	Yes/No*	14-30 Days
4G Mobile	No	5-90Mbps	No	No	No	1-5 Days
Satellite	No	30Mbps	No	No	No	14-30 Days

*Depending on the provider and carrier network

The 6 Backup Internet Options:

IVM (Internet via microwave)

Uncontended and dedicated much like a leased line, delivered using a high capacity microwave radio link, with uptimes exceeding 99.99%. Consistent performance backed by an SLA. Good option for exchange resilience and diverse routing. Symmetrical speeds.

Fibre Leased Line

Often the primary circuit, uncontended and dedicated, very reliable and consistent performance backed by SLA, your own fibre cable between you and the exchange. Symmetrical speeds. We can check for availability of fibre diversity through multiple providers.

FTTC - Fibre to the Cabinet

A copper cable between you and the nearest fibre enabled cabinet, variable contention, performance not guaranteed, not symmetrical, limited upload capacity, Availability is good.

FTTP - Fibre to the Premises

A Fibre cable between you and the nearest termination point, variable contention, performance not guaranteed. Not symmetrical, lower upload capacity. Availability is currently poor.

4G Mobile Network

A mobile connection between you and the nearest cell antenna, highly contended, performance not consistent or guaranteed, not symmetrical with lower upload capacity. Subject to coverage and availability.

Satellite broadband

A link available anywhere but can be highly contended and performance inconsistent, vastly more download than upload capacity. Can be adversely impacted by weather.

Don't Wait Until You're Without Internet

Protect your business in as little as 14 days

Get your business protected with a truly resilient backup connection in as little as just 14 days (depending on the solution). Simply call our team now to receive a free quote with no obligation.

Call now on: 03331 500 140

Keeping Companies Permanently Online for over 20 Years

Poundland 

Poundland use our IVM as their backup connection

Poundland knew that using an alternative method of delivery from their primary leased line was the only way to achieve a truly resilient connection. They understood that relying solely on their leased line could cost them thousands of pounds if anything was to go wrong.

The company needed to guarantee that all of their staff (across their 400 plus stores) would be able to continue working as normal if there was to be an issue with their leased line. To solve this problem, we installed a 100Mbps IVM connection that delivers 99.999% availability.

Poundland now have complete peace of mind that they are fully protected against almost any eventuality. They no longer fear downtime or outages, as they have taken every precaution necessary to ensure a truly resilient connection from APC Solutions.



Syncreon rely on our IVM solutions

Syncreon were in the process of relocating their distribution centre to a larger premises and needed a guaranteed connection to ensure their business could fully function at all times.

Downtime was not an option for Syncreon as it would have resulted in costly: stock, data and logistic issues. To solve this problem we installed both their primary connection and a backup IVM solution.

From their initial call, to final delivery and testing - we got Syncreon set up with a truly resilient connection in just a few weeks. Syncreon's relocation ran as smoothly as they hoped. They received zero downtime from our IVM solution and experienced no costly problems as a result.



You're in Good Company

We're trusted by thousands of companies across the UK.



Join the Other Businesses Who No Longer Fear Downtime

Call 03331 500 140