

BT IP Connect

Networks that think



Simplifying your communications, reducing your costs

IP Connect UK lets you connect different sites with different needs, locally, nationally and around the world. It can simplify your communications converging your voice, video and data applications onto a single IP network. It provides access to hosted “cloud” applications and has the flexibility to meet your changing needs and reduce your costs!

Improving your connections, reducing costs

Today the “network” is fundamental to any organisation, it is critical you have a service you trust and you can rely on that won’t hold you back. IP Connect UK is the UK’s market leading IP VPN. It is the ideal way to connect all your sites to a single private IP VPN for your voice, data and video applications. What is more, IP Connect UK can help you reduce your total cost of ownership by:

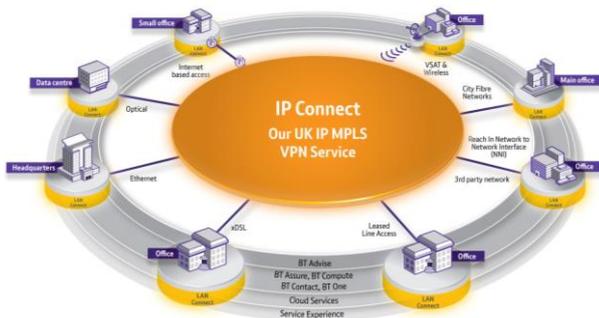
- **Simplifying communications** – IP Connect UK is designed from the ground up so your applications work efficiently over a single network. So gone are the days of having different networks for different applications
- **Reducing your total cost of ownership** – the great advantage of IP Connect UK is that all the complexities of designing, maintaining and managing the network are the responsibility of us at BT. Combine this with the scale of our network and your total cost of ownership is reduced
- **Improve scalability** – ideal for organisations with a just handful of sites to those with many thousands, IP Connect UK offers a wide range of access speeds and technologies enabling you to economically connect sites of all sizes, from the smallest site to the largest office or data centre
- **Access hosted “cloud” services** – through IP Connect UK you can access a whole range of market leading hosted “cloud” services including Hosted Unified Communications Service (HUCCS), Virtual Data Centre (VDC), Session Initiation Protocol (SIP) and Next Generation Contact Centre (NGCC)
- **Global reach** – the great news is you don’t need to buy another network for global reach. IP Connect UK connects you to over 195 countries around the world.



IP Connect UK lets you connect different sites with different needs, locally, nationally and around the world

The solution for your communications

IP Connect UK has a wide range of options and features to meet your exact needs:



- **Access** – With a range of access technologies from ADSL to Ethernet, speeds from 128Kbps to 10Gbps and resilience options, we have the ideal connection to meet your site’s requirements and budget
- **Flexible service speeds** – IP Connect UK bandwidths can be changed quickly without a change in access. This can be done in large or small increments so you can match bandwidth and costs to your business needs
- **Class of Service** – to ensure your applications receive the right performance levels from the network, we offer 6 DSCP classes of service including Expedite forwarding for voice, Assured Forwarding for priority data and default
- **Any to any & hub and spoke configurations** – depending on your need, IP Connect UK can be configured as any-to-any, hub and spoke or a combination of both
- **Multiple VPNs** – depending on the access service, we offer multiple and overlapping VPNs enabling you to partition your network enhancing security – which means people can only get to systems they are entitled to. So extranets can be kept separate as can one department or business function from another
- **Security** – we understand that information is your most valuable asset and protecting it is critical to you. IP Connect UK services are CAS(T) Assured and PSN Certified. As a PSN Assured service it suitable for OFFICIAL information. An encrypted PSN Protected overlay is available should you determine this is needed for your more sensitive information
- **Wires only (unmanaged) or managed service** – we offer IP Connect UK unmanaged - where we provide the basic “wires only” network connectivity. Or alternatively, IP Connect UK is available as a complete end-to-end “managed” service including the design, implementation, proactive monitoring, maintenance and management of your network including the routers on your sites. The choice is yours.

Simplifying communications

IP Connect UK has the flexibility to meet the most demanding requirements on a converged network.

Service

Standard	RFC 4364 - BGP/MPLS IP Virtual Private Networks (VPNs)
Configurations	Any-to-Any Hub & Spoke
VPNs	Depending on access. 100 maximum with Ethernet and Leased line access
IP	Version 4 & 6
Classes of Service	RFC 3270 with 6 DSCP classes: EF, AF1, AF2, AF3, AF4 and default

Access options

As you would expect, IP Connect UK offers a range of access choice to match the needs of your sites:

Speed	Name/technology
Up to 8Mbps downstream Up to 832Kbps upstream	ADSL Connect Max IPStream Max Premium (ADSL)
Up to 24Mbps downstream Up to 1Mbps upstream	ADSL Connect WBC (ADSL2 Plus)
Up to 40Mbps or 80Mbps downstream Up to 2Mbps, 10Mbps or 20Mbps upstream	Super-fast access FTTC (VDSL2)
Up to 330Mbps downstream Up to 30Mbps upstream	Super-fast access FTTP (GPON)
2 to 10Mbps EFM	Ethernet In the First Mile (Copper)
10Mbps, 100Mbps, 1Gbps & 10Gbps	21CN Ethernet (Fibre)
128K to 155Mbps	Leased Line

Access resilience

To meet different site availability needs of your sites, we offer our Ethernet (fibre) and Leased Line delivered services as:

Service	Availability
Standard	99.9%
Secure	99.99%
Secure Plus	99.999%



Service speeds

So that you can match your network costs to business needs, our Ethernet access services allow you to flex the service speed independent of the access speed.

Geographic availability

IP Connect UK has the widest geographic availability:

Access option	Availability
ADSL 2 Plus	> 95% coverage
Super-fast	<p>Super and Ultrafast Coverage: FTTC Over 28 million premises passed Over 5,200 exchanges enabled Over 5.5M lines connected using BT network</p> <p>FTTP Over 500k premises passed (650k by end of March and 2M by 2020) Almost every exchange will have some FTTP in next 12 months</p>
Ethernet	Over 90% UK coverage
Leased Line	Over 99% UK coverage
International	198 countries and territories

Managed service

If you choose IP Connect UK as your end-to-end managed service, there are a range of options including: technical advisory services; project managed installation; CPE supply, installation and maintenance; configuration management, performance reporting, help desk management and customer service management.

Service level agreement

We offer a comprehensive Service Level Agreement backed with a Service Level Guarantee covering:

- On time delivery
- Service availability
- Core network performance.

Improving your communications, reducing your costs

IP Connect UK has been specifically designed for customers with requirements that include:

Simplifying communications

- A single network to converge voice, video and data
- Optimum access choices for the widest range of sites from the smallest to the largest.

Reducing total cost of ownership

- Reduce the number of network services
- Benefit from the scale of IP Connect UK.

Improving scalability

- Ideal for organisation with just a handful of sites to those with many thousands
- From home workers and small retail sites to large office complexes and data centres.

Access hosted “cloud” services

- Reduce the time and cost to implement new services
- Choose from a range of market leading services including: Hosted Unified Communications Service (HUCS), BT SIP Trunks, Virtual Data Centre (VDC), and Next Generation Contact Centres (NGCC).

Extensive expertise

We have an extensive portfolio of network services to meet your requirements in the UK, Europe and the rest of the world.

Our capabilities are recognised across the industry by analysts:

- Leaders quadrant of the Gartner Pan European Network Service Providers Magic Quadrant.
- Leaders quadrant of the Gartner Global Network Services Providers Magic Quadrant.
- Leader in GlobalData Product Assessment

Gary Barton – Data WAN (UK), Jan 2018

“BT’s data WAN proposition is market leading in the UK, because the carrier’s market share and operational presence is unmatched. The carrier also offers the UK’s most well-rounded telecoms portfolio, allowing it to meet the needs of all customer types from small to large.”

Get in touch with your BT Account Manager to learn more about IP Connect UK and how you can improve your communications.



Offices worldwide

The services described in this publication are subject to availability and may be modified from time to time. Services and equipment are provided subject to British Telecommunications plc’s respective standard conditions of contract. Nothing in this publication forms any part of any contract.

British Telecommunications plc 2016.
Registered office: 81 Newgate Street, London EC1A 7AJ
Registered in England No: 1800000

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