

IP Clear

Simplifying your communications, reduce your costs



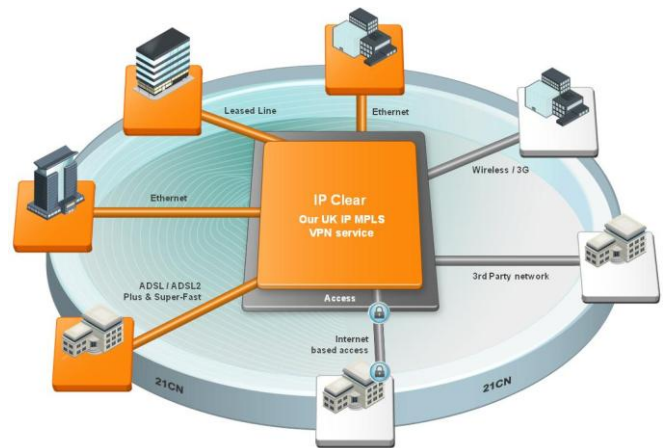
Simplifying your communications, reduce your costs

IP Clear 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 Clear 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 Clear can help you reduce your total cost of ownership by:

- **Simplifying communications** – IP Clear 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 Clear is that all the complexities of designing, maintaining and managing the network are the responsibility of us at BT. Combined this with the scale of our network and your total cost of ownership is reduced.
- **Improve scalability** – ideal for organizations with a just handful of sites to those with many thousands, IP Clear 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 Clear you can access a whole range of market leading hosted “cloud” services including Hosted Unified Communications Service (HUCS), Virtual Data Centre (VDC), and Next Generation Contact Centre (NGCC).
- **Global reach** – the great news is you don’t need to buy another network for global reach. IP Clear connects you to over 197 countries around the world.



The solution for your communications

IP Clear 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 128Kbit/s to 1Gbit/s and resilience options, we have the ideal connection to meet your sites requirements and budget.
- **Flexible Service speeds** – depending on the access service, IP Clear offers service speeds from 2Mbit/s to 1Gbit/s in 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 Clear can be configured as any to any, hub and spoke or a combination of both.
- **Multiple VPN’s** – depending on the access service, we offer multiple and overlapping VPN’s 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 Clear has been certified by the CESG to impact level 2.2.4.
- **Wires only (unmanaged) or managed service** – we offer IP Clear unmanaged - where we provide the basic “wires only” network connectivity. Or alternatively, IP Clear 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 Clear 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
VPN's	Depending on access. 100 maximum with Ethernet and Leased line access
IP	Version 4
Classes of Service	RFC 3270 with 6 DSCP classes: EF, AF1, AF2, AF3, AF4 and default

Access options

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

Speed	Name / Technology
Upto 8Mbit/s downstream Upto 832 Kbit/s upstream	ADSL Connect Max IPStream Max Premium (ADSL)
Upto 24Mbit/s downstream Upto 1Mbit/s upstream	ADSL Connect WBC (ADSL2 Plus)
Upto 40Mbit/s downstream Upto 10Mbit/s upstream	Super-fast access FTTC (VDSL2)
Upto 100Mbit/s downstream Upto 30Mbit/s upstream	Super-fast access FTTX (GPON)
2-10Mbit/s EFM	Ethernet In the First Mile (Copper)
10Mbit/s, 100Mbit/s, 1Gbit/s & 10Gbit/s	21CN Ethernet (Fibre)
128K to 155Mbit/s	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 Clear has the widest geographic availability:

Access option	Availability
ADSL	Over 99% UK coverage
ADSL 2 Plus	Over 72% UK coverage
Super-fast	20% by mid 2011, 66% by 2015
Ethernet	Over 90% UK coverage
Leased Line	Over 99% UK coverage
International	Over 195 countries

Managed Service

If you choose IP Clear 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 Clear 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 Clear

Improving scalability

- Ideal for organization with just a handful of site 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 well recognized across the industry by Current Analysis, Gartner and Forrester.

In 2010 we were recognized at the World Communications Awards as the “Best Global Operator”.

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



Offices worldwide

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