

Networking made easy

IP Converge offers security and flexibility for your voice and data needs

Running a network is becoming more and more difficult. Computer applications are often critical to your business, so need to work in a timely and predictable way. But more is being demanded of the network by users, as voice over IP (VoIP) becomes a reality, sites are added and removed, applications changed and security and resilience required.

The ideal network should provide a solid foundation for the deployment of advanced, feature-rich services and solutions – such as IP telephony and Unified Communications.

Flexibility and security

Unified Communications is the aim for any successful company nowadays. Employees need access to services and applications that make them more agile and improve collaboration. A flexible and secure network which supports this can help increase customer satisfaction and improve organisational and personal productivity while reducing total cost of ownership. Equally important is the ability to easily make changes, increase bandwidth requirements, change in size, deliver reports on performance and be able to prioritise various uses to ensure available bandwidth is used effectively. The ideal network should be delivered seamlessly to small and large sites and be based on a secure platform that provides a cost-effective solution and guaranteed quality.

The 'ideal network' is no longer what you aspire to achieve in the future – it's here today, thanks to the growth of convergence. BT can work with any existing network (phone system or LAN) and supply what you need to turn a set of disparate systems into a converged platform, aiding you on your journey to convergence and Unified Communications. It is designed to grow with your business, supporting Unified Communications applications as they change or as you add new ones to meet future needs.

IP Converge is a managed Virtual Private Network, providing an end-to-end service with integrated Local Area Network (LAN) and IP Telephony (IPT) options. It offers a secure and flexible means of communicating at site-with-site level (WAN), desk-to-desk level (with LAN) or person-to-person level (with IPT). This gives your company a quality voice network that integrates with your data, providing reliable IP Telephony across your business, and allowing information to flow freely and cost-effectively between all of your organisation's staff and your selected business partners.

And because IP Converge supports technology from major suppliers such as Cisco and Nortel, you have the flexibility to continue using the same state-of-the-art products and technology that power the vast majority of the world's business networks – as well as the internet.

Bringing together your communication networks and applications

Unified Communications - This is a platform to improve how you, your team and your business interact and perform - providing your staff with speed, responsiveness and agility, anytime, anywhere, via any method. By bringing together multiple communication devices, it's easier for you to be contacted and empowers you to reach the right person, first time, by their preferred communication method. You can deploy collaborative tools to understand colleague availability, and expand the way you communicate using conferencing, for example. The ability to instigate remote/home working options can also bring flexibility and cost savings.

WAN - Quality Multi-Protocol Label Switching (MPLS) network owned and managed by BT, providing a range of access technologies, rates and contention qualities and allowing your business to access your private network away from the public internet.

LAN - IP Converge LAN options are flexibly designed and pre-tested to integrate with the service concepts of IP Converge extending across the entire solution to give a comprehensive and integrated communications system. There are a range of LAN packages available with flexible configuration options to meet your requirements, or we can tailor these further to build a bespoke solution.

IPT - Converging existing voice, data and video networks onto a single IP-based network, allowing voice to be treated in the same way as data. An enterprise could lower its total cost of network ownership by reducing expenditures associated with equipment and maintenance, network administration and private network charges.

Features

- IP data and voice is routed over BT's MPLS network, at a range of available rates and contention qualities.
- LAN packages available from various suppliers, providing simple options to integrate with complex networks and IPT structures.
- IPT enables IP quality voice, supported by a choice of IP phones.
- With coverage in 90+ countries, BT can install and manage your international sites.
- Differentiated class of service, giving the ability to prioritise traffic over six classes.
- Multiple resilience and maintenance options.
- Service Level Guarantees.
- Status monitoring and performance reports to understand how your network is performing.
- Configuration management and software upgrade options.
- Installation management options.
- Secure dial-in access options (PSTN, ISDN and GSM) for remote workers, home workers and smaller businesses/branch sites.

Meeting your business needs

- **Better communication and collaboration** - by being on one network, you'll be able to bring dispersed locations, people and applications together into one managed and totally integrated network. This will enable more efficient and agile team working and improve interaction with your customers.
- **Scalable** - this platform is designed to grow and adapt with your business, providing you with what you need now, with a planned rollout for the future. Its reach can even be extended to your international sites.
- **Flexible** - BT can provide all the equipment and applications you need, integrating them with existing networks to guide you, a step at a time, on your journey to Unified Communications.
- **Prioritisation** - six levels of class of service enable you to prioritise traffic in line with your business demands. You also make the best use of the bandwidth by delivering critical data first. This means that a telephone call won't be affected by data peaks or a time-critical computer application isn't slowed by a large e-mail.
- **Adapt and extend** - you have the choice of adding LAN and IP Telephony applications when the network is first installed, or as your needs grow - future-proofing your network and protecting your investment.
- **Cost efficiency** - as a managed platform, we will handle the day-to-day running of your network, saving you time and letting you concentrate on running your business. You remain in control of the strategic areas, but BT's buying power, reduced network and support costs could lead to cost efficiencies for you too.
- **Simplicity** - a single WAN, LAN and IPT solution which we can build and manage for you, providing an end-to-end service under one contract, with one bill, backed by service guarantees.
- **Peace of mind** - business-class service at a cost-effective price, working over an inherently secure virtual private network instead of the internet.
- **Service Levels** - covering round trip delay, packet loss and jitter (voice only), our Service Level Agreement gives you quantitative information about how your applications will work with the service and a benchmark against which to report our performance. In addition, our Service Level Guarantee allows you to make a financial claim if we have not performed to a defined level in areas such as on time delivery; service availability and restoration; and core performance.

IP Converge - technical features

Access mechanisms and Speeds
Dial
ISDN Dial Backup to leased lines
ADSL Premium (Uncontended)
ADSL Plus (5:1 Contention)
ADSL Enhanced Care included
ADSL Back up for fixed links
ADSL Back up for ADSL links
64kbps
128kbps
256kbps
512kbps
1Mbps
256kbps-2Mbps Flex
2Mbps
4Mbps
8Mbps
10Mbps Flex (2-10M) Ethernet
34Mbps
155Mbps
100Mbps Flex (8-100M) Ethernet
1000Mbps Flex (40-1000M) Ethernet

Features
Project Co-ordinated installation [i]
Project Managed install
SNMP Feeds
Utilisation reports: Standard [i] and Enhanced reporting options
Proactive Alarm Monitoring [i]
Proactive Fault Management
Class of Service (levels of DSCP CoS) - 6 [i]
DSCP CoS over ADSL
Internet access
International Reach
Load Sharing between circuits [i]
Managed Routers [i] BT owned, rented and maintained as part of the service
IP Converge Discount Scheme
Integral LAN offering
Integral Managed IPT offering
Support and Service 24x7x365
Service Level Agreements [i] and Enhanced SLG
Compatible with MobileXpress Private
Resilience options (Secure and Secure+) - see below

[i] Included in standard package

Meeting your business needs

Option	Detail	Available for these speeds
Secure	Duplicate link to the same PoP	2Mbps, 4Mbps, 8Mbps, 10Mbps Flex, 34Mbps, 100Mbps Flex, 155Mbps, 1000Mbps Flex
Secure+	Duplicate link to a different PoP	2Mbps, 2Mbps Flex, 4Mbps, 8Mbps, 10Mbps Flex, 34Mbps, 100Mbps Flex, 155Mbps, 1000Mbps Flex
ADSL Backup	Backup for fixed links	1Mbps, 2Mbps, 2Mbps Flex
ISDN Backup	Backup for fixed access circuits	64kbps, 128kbps, 256kbps, 512kbps



This is just one of a vast range of BT products and solutions which can help make your business more effective. Whether you want to trade online, make your home and office workers more productive, increase the security of your data, relieve the stress of managing your systems or just make your IT and communications work harder, BT has a solution to help meet your needs.

BT IP Converge - an adaptable platform that meets your needs now and in the future

To find out more visit:

<http://www.bt.com/ipconverge>

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