Converged Private Networks

Supporting voice and business-critical applications across multiple sites

Harness converged voice and high-speed data connectivity

MPLS-based WAN solution that supports voice and business-critical applications across multiple sites

Converged Private Networks (CPN) is our fully-managed WAN (Wide Area Network) solution that is ideal for businesses with multiple sites that want to boost the performance, improve the security and reduce the cost of their network.

As the way people work, interact and collaborate undergoes profound change, companies are seeing growing demand from employees for more flexibility in where they work and more choice in the way they communicate, such as IP telephony, unified communications and cloud-based services.

CPN delivers the performance, reliability and security that businesses need to make effective use of today's multi-media services.

By fully integrating our IP telephony hosted voice solutions, Horizon and SIP Trunks with our MPLS core network, you can benefit from having all your IP voice and data services supplied by a single vendor – with just one point of contact, one bill and one set of SLAs.

Converged Private Networks

MPLS-based WAN service

Delivering private secure connectivity to enable you to easily connect and communicate efficiently between each geographically diverse office location as part of a single network.

Prioritisation of critical business applications

Quality of service (QoS) mechanisms ensure prioritised and guaranteed performance of voice, video and key business applications.

A choice of access services

With an extensive range of access types ranging from ADSL and FTTC Broadband to FTTC Ethernet, EFM or fibre optic Ethernet, CPN offers a suitable access option for every location regardless of availability, site criticality or budget.

Integrated IP telephony
Horizon or SIP Trunks

End-to-end communications solution from a single supplier that reduces the complexity of managing multiple providers - from a sales, implementation and an in-life perspective. (optional)

Compelling rental model

Relieve the cost of change barrier and align with the opex-based purchasing models that more and more businesses are adopting.

Secure cloud internet access from the VPN

Supplied via multiple peering partners and secured by our next generation firewall means that you benefit from high availability and resilient links to the internet that your business can depend on. (optional)

Managed security

Our next-generation firewall eliminates the need and operational overhead of operating a firewall at each site and ensures you have the same high level of protection, across all network access points. (optional)

Network monitoring and management capabilities

Monitor the performance and availability of the network your business depends upon.

A range of value-added products and services

- A wide choice of handsets
- Solution design and consultancy
- Installation and provisioning
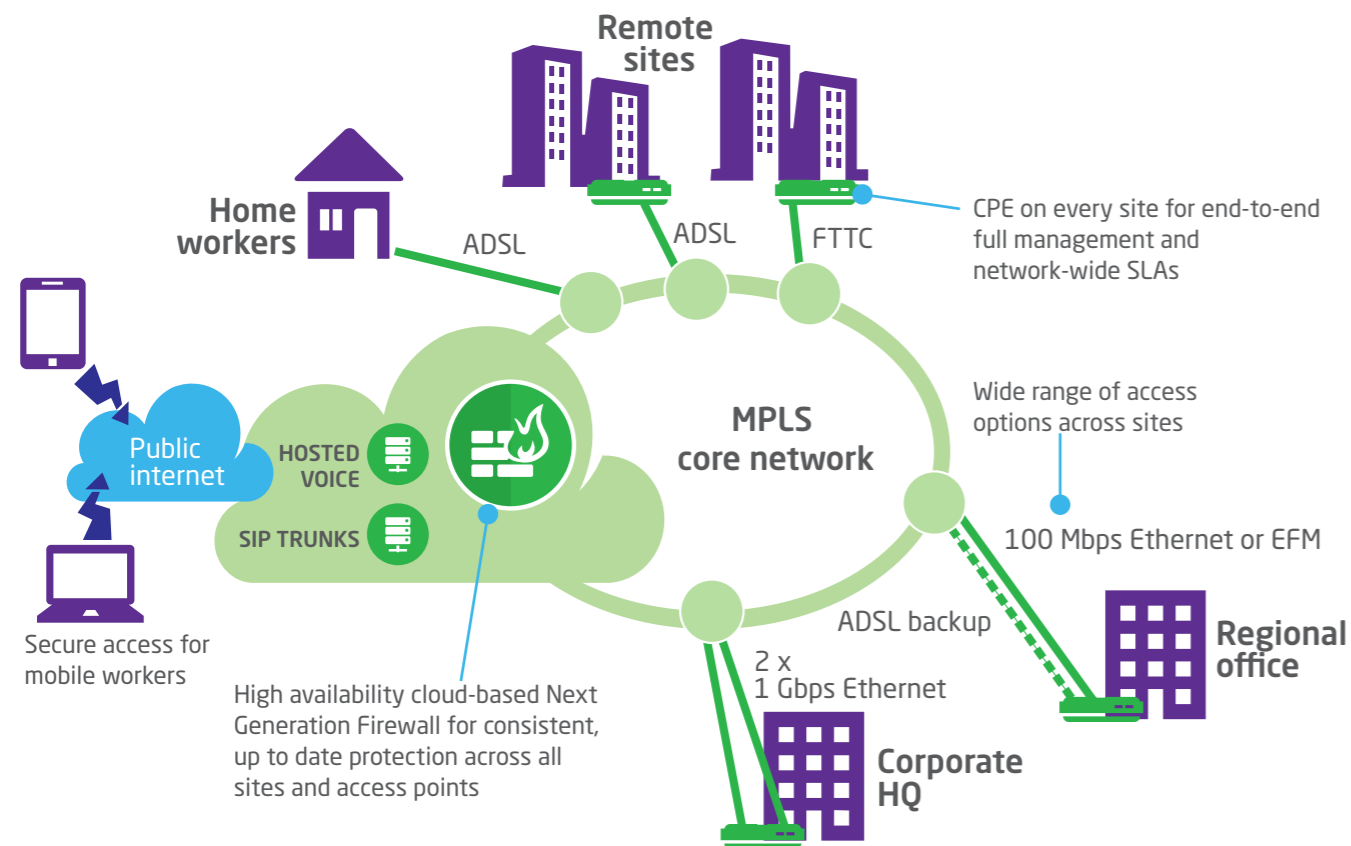- Project management
- Maintenance and support

Our MPLS core network

Our core network is a Multiprotocol Label Switching (MPLS)-based Wide Area Network (WAN) that enhances the inherent benefits of MPLS with the integration of our market-leading high quality IP telephony services.

With our customer premises equipment installed at every site to enable end-to-end full management of the network, performance can be managed centrally and effectively, meaning we can provide you with network-wide service level agreements (SLAs).

Our next-generation firewall is highly available and hosted in the cloud, which protects all access to your Virtual Private Network (VPN) and ensures that users at every site, along with remote workers, receive the same up-to-date protection against the latest cyber threats.

How it works

Home workers

Remote sites

ADSL

ADSL

FTTC

CPE on every site for end-to-end full management and network-wide SLAs

Public internet

HOSTED VOICE

SIP TRUNKS

MPLS core network

Wide range of access options across sites

100 Mbps Ethernet or EFM

Secure access for mobile workers

High availability cloud-based Next Generation Firewall for consistent, up to date protection across all sites and access points

2 x 1 Gbps Ethernet

ADSL backup

Corporate HQ

Regional office

Next-generation firewall

Whilst traffic contained within the Converged Private Network itself is secure, we can also offer secure cloud internet access when routing traffic in and out of your Converged Private Network by routing all internet traffic via the firewalls in our core network. These devices are provided as fully-managed high availability firewall instances on our next-generation firewalls.

Fully managed, monitored and administrated by our security professionals
This saves you the investment cost and effort of having to resource this in-house. We'll take responsibility for the implementation so that you can focus on running your business with the peace of mind that you're protected from external threats.

High availability design as standard
Increases the service availability and resiliency level providing you with continuity in the unlikely event of a hardware failure.

Secure remote access
For roaming, homeworkers and secure site-to-site connectivity - your staff can access key business systems and applications without compromising the security of the private network and exposing sensitive and intellectual property to an attack.

Application level visibility and control
Offers sophisticated insight, down to an application level, showing which sites staff are viewing and how much network capacity they're consuming. You can control or limit usage which helps to reduce network costs, boost productivity and ultimately improve the performance of your business.

IPS (Intrusion Prevention System) single pass packet inspection
Identifies malicious content as well as known and unknown vulnerability exploits in applications and websites. This provides you with advanced levels of protection against vulnerabilities in well-known business applications and web browsers, without exposing your business to being exploited or impacting performance.

Antivirus, antispyware/malware
Scans applications, website URLs, web content and email content to protect against viruses and malware that may be trying to penetrate the network to steal data. Operating from a database containing thousands of threat signatures means you are protected from a wide range of threats that could cost your business significant financial and reputational damage.

URL filtering
Controlling staff access to non-work related surfing and blocking access to compromised sites helps to reduce malware attacks and increase staff productivity.

File and data blocking
Provides granular levels of inspection by reviewing individual traffic packets (rather than just file extensions) of the files and data being sent both inside and outside of the network. This means greater file and data transfer control, the protection of you data and the ability to block sensitive data such as credit card numbers leaving your business and reaching untrusted hands.
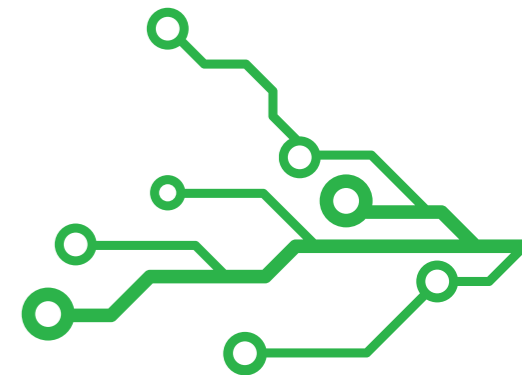
The key benefits of CPN

- **First-class Internet Protocol (IP) VPN technology**

  The flexibility to quickly and effectively support changes in business connectivity requirements means that you'll be able to add sites and increase capacity on demand

- **Application prioritisation**

  Enabling support for higher quality voice and video conferencing, along with business-critical applications, means that your business will benefit from high quality voice and video calls and uninterrupted access to the tools you need to do your job

- **Scalable bandwidth**

  Meet differing needs across organisations and sites and help future-proof your network to accommodate growing business requirements

- **Advanced network security**

  Combine with cloud internet access to provide multiple layers of protection against threats, ensuring the privacy and confidentiality of intellectual property and customer information by scanning all traffic — applications, users, and content across all ports and protocols

- **High network availability**

  Reliability and resilience for business continuity on both our core network and at your office location

- **Easier to manage**

  Acting as the sole provider of your WAN, we manage the key components of your business for you so you require fewer IT and networking staff, enabling you to focus on your business goals

The CPN difference

We are a technology-based provider of communications services to the UK business market. Our services include a comprehensive data services portfolio, cloud-based telephony, inbound call control services and SIP trunking, all of which are designed to meet the increasingly complex voice, data and mobility requirements of today's businesses.

Market-leading integrated IP telephony and data network

Fully integrated with our market-leading IP voice products, CPN gives you access to a purpose-built combined voice and data network. You can benefit from a single, robust SLA from a single provider. With full visibility and control over both the voice and data services, we can resolve any issues and make changes to your network quickly and accurately.

Highly experienced

With our pedigree and experience in IP, we are well positioned to act as the supplier of choice when it comes to entrusting us to effectively manage high value networks.

Easy to do business with

Acting as the single supplier of your WAN, we become your single point of contact for both your data and IP voice (including porting). This converged approach not only reduces complexity but also offers differentiation through being easier to do business with, rather than you dealing with different suppliers for your voice and data. Our commercial strength and stability gives peace of mind in today's tough business environment. You can rely on us to be your partner of choice for all your communication needs.

ONE
- Bill
- Set of SLAs
- Point of contact