

Networks and Connectivity



**THINK BEFORE YOU PRINT
DO YOU NEED TO PRINT ME?**

Networks and Connectivity

Connectivity can be a minefield for today's organisation. You know what you want – speed, reliability, scalability and affordability – but how best to get it? What with emerging technologies, competing carriers, a web of tariffs and your own evolving operational dynamics, it can be hard to make the right call – unless you pick up the phone to Vital.

Our focus is on getting you connected, leaving you free to focus on your business. We use our know-how and expertise coupled with our partner relationships to deliver the optimum blend of performance and price. From leading-edge converged infrastructures utilising hi-speed Ethernet to back-up ADSL and leased line circuits, from large LANs to complex private networks, Vital is committed to delivering solutions that underpin and accelerate growth and success.

Choose from:

Ethernet

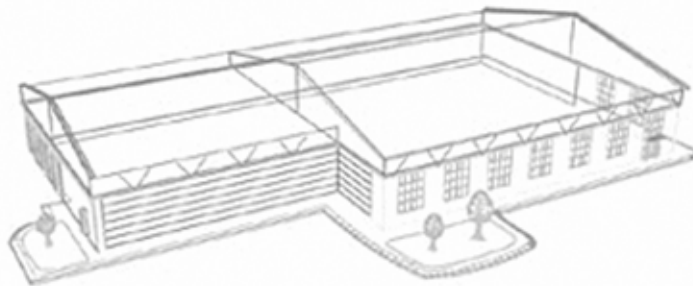
Private Networks

LAN / WAN Services

Broadband / DSL

Firewall

Leased Line



Ethernet Services

Why have multiple networks when one would do? With the increasing availability and affordability of hi-speed Ethernet, Vital has developed a suite of services delivered over a unified IP infrastructure, the Converged Business Network (CBN). The concept is simple: because you can take a range of solutions over a single network, the more you have, the more cost effective it becomes. Many businesses have a link between their sites for data, another link between telephone systems, a connection to the internet plus primary rate ISDN 30 interfaces connecting the telephone systems to the PSTN. Now they can layer them all across a single resilient, highly cost-effective network, with full Quality of Service (QoS) ensuring proper routing of voice, data and internet traffic.

Features

The more services you have, the more cost effective it becomes. Vital has a number of standard packages, & can develop customised pricing solutions based on your specific service requirements.

A single bill can be generated covering all sites and all services, simplifying accounting processes.

CBN Solutions come with a high level of security built in. Optional extras include virus scanning, firewall and anti-spamming services.

Vital provides 24/7 monitoring of all of its network and related equipment and connections.

You can control and monitor your services via the Vital customer extranet. Customers can change certain characteristics of the service on-line.

QoS for CBN Solutions is delivered using industry standard protocols and techniques, ensuring that your voice, data and internet traffic maintain the same high service levels as traditional networks.

Benefits

Flexible - CBN bandwidth can increase or decrease to reflect the requirements of your business. No more waiting for additional leased lines, or being tied in to long contracts for surplus capacity which you only need for a limited time.

Cost effective - CBN Solutions save you money: the more services you have, the more cost effective each one becomes.

Bandwidth saving - CBN Solutions are delivered over the same network, the bandwidth can be used more efficiently, resulting in better, more economical services.

No distance related charges - Unlike other service provider offerings, Vital CBN Solutions can be delivered anywhere within the M25 area for the same cost.

Customised - CBN Solutions from Vital can be individually tailored to meet your specific business needs, so you end up with an appropriate solution for your business success.

Private Networks Services

For multi-site organisations looking to lock-down performance and leverage convergence, Vital can design and manage high-grade private networks for the ultimate in dedicated wide-area communications. Running over a high-speed, high-availability, low latency connection, the Vital private network offering provides MPLS and Quality of Service (QoS) to govern the fast, secure routing of data, voice and internet traffic. Adding sites and scaling bandwidth up and down is one call away, making on-demand expansion efficient and effortless.

Features

Traffic prioritisation - QoS manages the traffic flow

Varying classes of service (standard, enhanced or premium)

Vital VPN can replace existing data and voice networks (providing you have the right equipment and appropriate connectivity) either partially or wholly

Vital VPN is fully managed (LAN port to LAN port)

Networks can be easily and simply expanded by adding new sites or extra bandwidth

Access is available at speeds of 256 K/bits to 155 M/bits, depending on geography

On-net voice capability

24/7 monitoring and support

Benefits

Simple - just one network and protocol to manage maintain and upgrade.

Ease of use - it is easy to upgrade bandwidth or add new sites when required.

Flexible - Vital's VPN can handle any protocol that your equipment can convert into IP.

Secure - The MPLS (Multi-Protocol Label Switching) IP backbone is a closed, private network.

High quality - the service runs on a dedicated network using the latest Cisco™ technology. It is a certified "Cisco Powered Network", recognised by Cisco Systems™ for its quality and service levels.

Service guarantee - service level guaranteed.

LAN/WAN Services

Our LAN and WAN Connect services offer an economical but still fast and secure means to link together your enterprise, where users can interact with applications in exactly the same way and at exactly the same speed, regardless of their location. Using Metro Ethernet technology, we can help you build seamless wide-area networks capable of supporting voice, data and video traffic.

Features

- Supports transport speeds from 10 Mbps to 100 Mbps Ethernet.
- High reliability through resilient Metro-Ethernet network design.
- Standards-based IEEE Ethernet service for Layer 2 transport.
- No protocol conversion required, ensuring seamless interoperability between offices.
- 802.1p/Q VLAN with VLAN trunking supported.
- 24/7 network monitoring.
- Standard RJ45 interface, delivered over CAT5e wiring.
- Flat rate price within the M25 area.

Benefits

- Fast** - no bandwidth restrictions (unlike other connectivity services) as LANConnect links are latched to the speed at which your LANs operate.
- Easy** - supporting LAN emulation, the LANConnect service is 'plug and play' and does not require any special router interfaces or complex IP routing configuration.
- Economical** - excellent value for money compared to lower rate 'telco' services.
- Secure** - using the latest Metro Ethernet technologies, the LANConnect network provides maximum resilience and a dedicated path between your LANs.
- Flexible** - the link can be readily upgraded, without any work being carried out on your network.
- Seamless** - you can extend each of your offices' LANs so they appear as one, allowing you to share applications throughout your company, as if at the same location.

Broadband/DSL Services

Broadband or DSL is now standard across business and consumer markets but there are still issues of choice, price and flexibility when provisioning a connection. Vital can ensure you get the best product fit for your needs and handle the end-to-end delivery of the service, including connecting into our own IP network.

Features

- Unlimited data transfer (No capping or additional data transfer charges)
- High performance, secure access with download speeds of 512Kbps, 1Mbps or 2Mbps.
- Upstream performance of 256Kbps
- 20:1 or 50:1 contention
- 24/7 Access
- Always-on connection
- Up to 40 times faster than standard dial-up modem
- Simultaneous Internet and phone use
- Fixed cost for effective budgeting
- No Port Blocking
- Additional services available

Benefits

Broadband is an affordable way to receive high speed Internet services Cost savings over dial-up and leased line products

Unlimited data transfer up to your chosen speed and no caps or limits

With a stable Internet connection, you can make your company network available, for example for employees working from home, business partners or customers. Value added services like VPN and IP encryption make this a secure business product

The customer and technical support provided by Vital ensures that your Broadband service has enhanced and superior levels of service normally associated with more expensive products

Broadband is available with a choice of contention ratios and speeds to match your business needs

Vital Broadband can be linked to other leased line products to provide a secure redundant path for your leased lines

Firewall Services

Firewalls keep your important data safe from unwelcome and possibly destructive attention. Vital is able to offer a number of firewall solutions that are tailored to your unique requirements. From shared firewall solutions to advanced firewall fail-over solutions (identical replication of primary node).

Features

Access Control at User, IP Address and TCP/IP Service levels.

Packet Inspection and Filtering: an analysis of the data packet's source, destination, and sometimes, content.

IP Address Management: firewalls generally support Network Address Translation (NAT). URL filtering blocks access to undesirable websites.

Central location monitoring of security alarms and events on a 24/7 basis including device health, connectivity status, options for off-site customers can include on-site repair and 4 hour maximum time to respond on site.

An optional range of value-add services such as Intrusion Detection, virus scanning, email content filtering and URL blocking.

Secure remote access services (optional) can be provided for a complete, fully managed security solution.

Benefits

Reliable - proactively identifies and fixes network security vulnerabilities before network break-ins occur.

Secure - protects intellectual property and confidential organizational communications.

Fast - verifies the identities of remote users to prevent hacker attacks.

Peace of mind - operations and maintenance handled by technically experienced staff.

Cost effective - the managed firewall is a money-saving alternative to having your own firewall system, as you do not have to dedicate resources to the installation, integration and ongoing management / maintenance of an in-house solution.

Leased Line Services

Leased lines still have their place in the communications matrix, frequently as a back-up option to broadband or microwave links, sometimes as the only solution given geographical or speed restraints. Vital can implement and manage a complete range of point-to-point connectivity solutions with a number of dedicated access speeds. We offer this as a discrete service or as part of a holistic connectivity package, where we design and deploy network communications using the optimum mix of technologies to meet your operational and financial criteria.

Features

Fixed dedicated, permanent high speed internet connection over copper or fibre

Interconnection to our range of managed hosting products

Fully configured Cisco router

99.9% availability guarantee

24/7 Network Monitoring

Comprehensive Service Level Agreement

Fully resilient leased line and service (optional)

Data Storage (optional)

Firewall hardware and configuration service (optional)

Anti-Virus software (optional)

Router install service (optional)

Benefits

Unique offering - optional storage and security products can be offered

Flexible - multiple connection and bandwidth options

Secure - dedicated, un-contented connection

Scaleable - burstable option available, enabling rapid capacity changes via our customer service team

Excellent service - rapid response to customer queries and internet demands

Reliable - multiple network connections for guaranteed throughput

Convenient - access to one of our professional IP engineers, on installation

Cost effective - easy budgetary control and increased productivity

Cost management - fixed rate to ensure the best value for your business

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