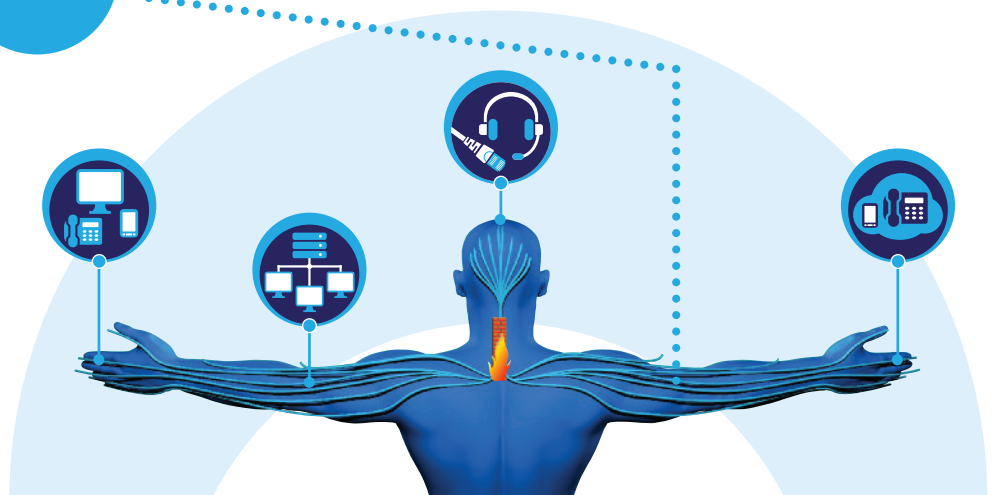


**WAN
Connectivity**



Engage with the next generation

G3 works closely with the most innovative, forward-thinking network pioneers to engineer intelligent, robust connectivity solutions that give businesses the confidence to change the way they work and leverage real value from the latest network-delivered technology. Our partnership with Genius! Networks, for example, creates a new world of communication possibilities brought to life by groundbreaking advances in network connectivity. No other communications service provider has the in-house technical expertise, specialist skills and strategic partner relationships necessary to ensure businesses are able to realise the true benefits of next generation networks.

+44 (0)20 7075 1400 www.g3comms.com



Contents:

Genius Network Partnership	4
MPLS/VPLS Connectivity	5
SIP	6
Internet Connectivity	7
Fibre Connectivity	8
Ethernet First Mile	9
Wimax Long Range Wireless	10
Managed Bandwidth	11

Always in front

Market-leading enterprises depend on G3's specialist converged communication skills to reduce business risk and give them advantage. Accessed from a single contact point, our end-to-end expertise spans both sides of the firewall, giving clients the ability to design, implement and maintain their complex, mission-critical technology using one seamless service.

From global backbone networks to the devices at your fingertips, G3's award-winning integrated solutions lead the way. Our advanced network engineering capabilities, outstanding technical support and accredited partnerships with the world's most innovative technology vendors and network service providers enable us to stay in front - so we can put our customers first.

+44 (0)20 7075 1400 www.g3comms.com



Genius Network Partnership

Connect with the next generation

As a Genius Network Partner, we have access to a revolutionary core routing infrastructure. Its innovative design provides direct connection to a resilient core infrastructure that seamlessly joins with all the major network carriers to deliver affordable, uninterrupted global voice and data services. With SIP-enabled configuration, voice and other network-sensitive traffic is tagged and fully supported across the core and carrier networks to ensure guaranteed Quality of Service. Genius removes the need for Internet-based network access, and comes with a single end-to-end service level agreement across the entire core and carrier infrastructure, giving service providers and business users the confidence to capitalise on the latest network-delivered technology.



SUMMARY

- Enables co-location services and hosted applications to be provided as total solutions
- Uses proven tagging techniques with full end-to-end Quality of Service guarantee
- One end-to-end SLA from a single provider
- Single point, direct SIP connection delivering fully converged solutions and robust Internet access
- Partnerships with Colt, Exponential-e, Talk-Talk Business, Level 3, China Unicom, Telia, Virgin Media and Interoute provide the most cost efficient solutions
- Hosted in multiple data centres providing a fully resilient solution
- Fully scalable solutions, enabling provision of any connectivity to any site directly from the carrier to the end service

DELIVERED
By
GENIUS

genius!
BUSINESS
PARTNER

Genius Partners is an exclusive group of specialists with the capabilities to deliver the full benefits of innovative, global connectivity solutions from Genius Networks. Powered by a revolutionary core routing infrastructure, Genius gives you direct connection to affordable, end-to-end voice and data services with guaranteed Quality of Service from a single SLA. With Genius, the communication possibilities are endless.

+44 (0)20 7075 1400 www.g3comms.com

MPLS / VPLS

Robust multiple site connectivity

Our MPLS-based services offer secure, highly resilient connectivity between multiple business sites and enable provisioning of centralised services including voice, data, Internet, and hosted services. There are many options for connecting to an MPLS network from different locations, depending on factors such as bandwidth and SLA requirements. With full network design and monitoring services available, an MPLS network is the ideal core for a fully managed network featuring high levels of service, flexibility and cost saving advantages.

SUMMARY

- Various access options to match bandwidth, pricing and SLA requirements
- Full access between all connected sites and to centrally provisioned services
- Reduced line and call costs
- Full support for end-to-end Quality of Service, even for sensitive applications like voice
- Traffic prioritisation and intelligent routing
- Full network design and monitoring services available
- Flexible, resilient and secure and alterations

DELIVERED
By
GENIUS

genius!
BUSINESS
PARTNER



+44 (0)20 7075 1400 www.g3comms.com

SIP

Enabling today's communication technology

Session Initiation Protocol, or SIP, has become the network protocol of choice for enterprise VoIP. Flexible, scalable and open, SIP now leverages the power of IP over fixed and mobile networks to deliver many business advantages – from network cost savings and improvements in productivity, to streamlined business processes and new service innovation. We help our clients realise the benefits of the most progressive SIP-based services, enabling the provision of multiple, customised business applications in a single communication session. SIP also adds to the revolutionary capabilities of our Genius! services allowing affordable direct connection to the core routing infrastructure.



SUMMARY

- SIP leverages the power of IP over fixed and mobile networks
- Versatile and scalable, SIP allows the customisation, integration and delivery of a portfolio of business services and applications including email voicemail, conferencing, web controls and instant messaging
- Effectively integrates voice with enterprise management and CRM applications
- Provides for robust business continuity solutions
- Enables the implementation of flexible call-routing technologies such as our Inbound Call Management services
- Provides the means to consolidate data centres, reducing costs and the scale of supported hardware and software
- Improves contact centre efficiency by load-balancing traffic
- Email platforms can be consolidated onto one primary instance allowing access to all users on the converged network
- Enables secure, direct access to Genius! core routing infrastructure

Internet Connectivity

Business-grade connectivity

We offer a range of business-grade Internet connectivity solutions for all sizes of organisation to suit specific speed, usage and budget requirements.



SUMMARY

ADSL2+ Broadband

- Delivers up to 24Mb downstream and 1Mb upstream

SDSL Broadband

- Reliable service with symmetrical upload and download speeds
- Ideal for linking sites or supporting home workers uploading large data files
- Low connection costs and guarantees on jitter, latency and packet loss
- Fully managed solutions available including VPN and firewall configuration
- Option to deploy back-up SDSL or ADSL circuit for added resilience

Direct Internet Access

- Efficient and guaranteed higher speeds than normal Broadband
- Suitable for business-critical Internet access applications
- Symmetrical upload and download speeds
- High availability market-leading SLAs

Point-to-Point Access

- Leased line delivering private connectivity between sites
- Robust, secure and ideal for transmitting sensitive information
- Range of bandwidths from 2Mbps upwards
- High availability and suitable for critical applications like voice and video

Gigabit Connectivity

- Secure, robust and perfect for high demand users with converged voice and data solutions or unified communications
- All the bandwidth necessary for processing large file downloads, video collaboration or dealing with time-sensitive, transaction-based traffic

+44 (0)20 7075 1400 www.g3comms.com

+44 (0)20 7075 1400 www.g3comms.com

Fibre connectivity

Fast, reliable, controllable

Our fibre-based Ethernet solutions are fast, reliable, scalable and easily managed, using proven technology to deliver a dedicated, symmetrical service for business-critical, bandwidth-hungry applications. Flexible and highly compatible with existing networks, services and equipment, Ethernet connectivity supports VoIP and data traffic, video conferencing, streaming and is ideal for large file transfer. Ethernet can rapidly extend LAN capabilities across your entire organisation, improving productivity with centrally hosted server applications and providing remote access through high capacity connections. Ethernet is a perfect replacement for legacy technology and is available with speeds up to 10Gbps,



SUMMARY

- Dedicated, fast, reliable connectivity supporting all applications over IP
- Proven, future-proof technology, ideal for high bandwidth applications such as VoIP, data, video conferencing and streaming
- With a single connection for voice and data services, Ethernet reduces operational costs
- No limitations on usage with full traffic control and QoS options
- Puts you in control with the ability to prioritise network traffic and assign bandwidth to applications that require it
- Improves productivity with enterprise-wide access to hosted services and applications
- Easy to add to your bandwidth as your business needs it – speeds from 10Mbps to 1Gbps
- Symmetrical service where equal download and upload speeds allow rapid transfer of large files – perfect for home or remote workers
- Flexible, scalable and compatible with existing networks, services and equipment
- Allows LAN infrastructure to be easily extended and provides secure networks for multi-site operations
- Simplified network management and administration with a suite of online reporting tools
- Ideal, cost efficient replacement for legacy technology such as SDSL or leased lines

Ethernet in the First Mile (EFM)

Internet services you can depend on

Our EFM solution provides high performance, business grade Internet connectivity using either a single or dual pair of bonded copper wires to deliver a reliable, fast service for business critical applications like voice, video conferencing and cloud services. With guaranteed bandwidth and equal upload and download speeds, EFM is backed by a six hour fix service level agreement and is an ideal upgrade for legacy technologies such as SDSL and leased lines.



SUMMARY

- Up to 10Mb connectivity for single pair service or 20Mb for dual pair with business class service levels
- Ideal upgrade for DSL or SDSL
- Lower cost alternative to leased line
- Fully uncontended bandwidth so performance is not affected by other users on the same exchange
- Increased productivity with equal upload and download speeds
- Flexible, scalable and future-proof
- Added resilience with dual pair deployment – if one pair of lines fail, service continues with the other pair
- Six hour SLA for service outages, equivalent to leased line service levels



Wimax Long Range Wireless

Add an extra dimension to your business

Wimax adds a new wireless dimension to your business at a cost you can afford. It's a secure, independent network that provides an Internet-facing wireless service delivering a constant, equal upload and download speed of up to 10Mbps.



SUMMARY

- Independent network providing true diversity from fixed line connections
- Supports all key applications, from video conferencing to VoIP
- Improved business performance from service speeds of 2 to 10Mb Single point, direct SIP connection delivering fully converged solutions and robust Internet access
- Highly secure and protected to US government standards
- Increased productivity with equal upload download speeds
- Robust and reliable with 99.5% and 100% SLA guarantees
- Ideal for business continuity plans and as a backup for fixed line connections
- Future proof and scalable to expand with your business
- Easy to implement with 70% of installations completed within 10 days

Managed Bandwidth Service

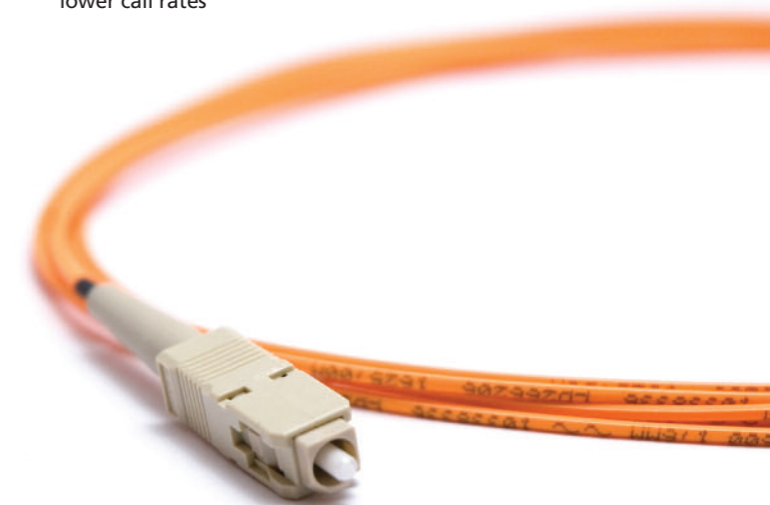
Made for today's high speed world

The connectivity demands of today's critical business applications are challenging the capabilities of many enterprise WAN services. Old technology and under-provisioned systems mean that businesses are often paying a high price for poor and unreliable network service. We have the skills, technology and infrastructure to optimise WAN performance across all your business sites with our IPVPN-based, Managed Bandwidth Service (MBS).



SUMMARY

- Our IPVPNs are highly versatile and give any-to-any connectivity directly to each business site
- Solutions are designed to address specific business requirements and recommendations are only made after detailed assessment of each individual situation
- MBS manages routers to prioritise traffic over IPVPN, ensuring voice video and other critical applications maintain guaranteed quality and performance
- Service includes pre-configured routers, monitored remotely by an operations team that can rapidly respond and resolve issues
- Scalable solutions – connecting new sites to the network is straightforward, eliminating the need for multiple installs
- WAN management is simplified, with all components – network, hardware, software, maintenance and telecoms – supplied from a single dedicated source with one set of standard billing, CRM and management processes
- Impartial multi-carrier solutions based on detailed knowledge of carrier capabilities and focused on optimising SLAs and prices
- Reduced costs from simplified infrastructure and lower call rates



Connect:

Support:

08456 121 400
support@g3comms.com

Sales:

08453 402 840
salesenquiries@g3comms.com



Harling House 47-51 Great Suffolk Street London SE1 0BS
Tel: +44 20 7075 1400 - Fax: +44 20 7075 1401 - info@g3comms.com - www.g3comms.com