

# Broadband



making the right connection...

## The most connected Next Generation Network in the UK

Our Next Generation Network is built on IP technology that provides a single source communications solution that delivers multiple applications such as Data Networking (WAN), Voice services (VOIP), Data, and Internet all over one a single line. Digitel's Intelligent Network (INet) is a powerful future-proofed Next Generation Network that has the broadest reach and scale of any next generation unbundled data network in the country and covers more than 89% of the UK.

The Next Generation Network has over 2000 fully unbundled exchanges, over 1800 of which are Ethernet enabled (more than any other provider). This size provides Digitel's INet network with the economies of scale and impressive network reach. This means our customers benefit from these cost efficiencies as well as being able to deliver cost effective Ethernet technology that enhances business operating efficiency.

The increase in unified and online communications means that such bandwidth-hungry data applications as multi-branch networking, conferencing applications, hosting, cloud computing and multimedia video services are becoming more strategically important in reducing business overheads and increasing operating efficiencies. That is why more businesses are switching to INET's faster, more reliable Next Generation Network.

### Our Next Generation Network is:

- ⊗ Ideal for the delivery of ADSL 2+, Annex M, EMF and Ethernet Services
- ⊗ Optimised for resilience and capacity
- ⊗ QoS, MPLS and VPN enabled
- ⊗ Built for reducing overheads and Increasing operating efficiency
- ⊗ Tried and tested
- ⊗ Future-proofed
- ⊗ Flexible
- ⊗ Scalable



### Key Facts and Figures

#### Scale and Coverage

- ⊗ Our footprint covers 89% of the UK.
- ⊗ Over 1800 Ethernet enabled exchanges.
- ⊗ Access for over 2.1 million businesses.

### An overview of Ethernet Technology

Ethernet has become the accepted standard for Local Area Networks, and is now also used for Wide Area Networking (WAN), multi-site networking, home workers, Internet access, and for next generation technologies such as SIP trunks (phone lines that go via data networks).

Ethernet is simple, easy to use and readily upgradeable and scalable from 10Mbps to a massive 1Gbps, depending on business needs. Since Ethernet is a standardised technology it also reduces the big infrastructure and capital investment that an organisation might be forced to make otherwise.

Ethernet is now seen as the most reliable technology for mission-critical business applications.

## Benefits of our Ethernet solutions



### Upgrade opportunities

All our Ethernet solutions provide our customers with super fast reliable and cost-effective broadband service providing a future-proof upgrade option for Leased Lines, SDSL, ISDN30 lines, or your multi-branch VPN network



### Extensive UK coverage

With more than 1800 Ethernet enabled exchanges within Digitel's INET Next Generation Network, we can connect your business whether you have one site or a national multi-branch network across the UK.



### Cost-effective and flexible

Put simply, our network reach allows us to offer our Ethernet solutions at wholesale prices when compared to other offerings, delivering high-quality Ethernet broadband solutions for less cost.



### Peace of mind

We also offer flexible design and resilience options, so that we can design a network that meets your specific needs. Ask us about our back-up options for the solution you consider. Stringent service levels and a dedicated UK support team back all of our solutions so you and your business know you're in safe hands.

## Ethernet Solutions from Digitel's INET network

We've created several solutions, all delivered using Ethernet over our Next Generation Network.

### Next Generation Ethernet (NGE)

This offers a dedicated, fast and secure interconnection between multiple sites or to the Internet. Provided via the UK's most connected Next Generation Network and managed by us, it can provide customers with a cost effective solution and offer them speeds ranging from 10Mbps up to 1Gbps.

Our reach means more options for our customers and a range of solutions together with a simple pricing structure based on local and non-local access. What's more, our NGE service offers future-proofed access technology for Managed IPVPN, Voice over Ethernet, Internet VPN and MPLS.

### Ethernet First Mile (EFM)

Ethernet First Mile is built on a proven and robust network structure using copper pairs to deliver a high capacity Ethernet service, an excellent upgrade for customers still using SDSL or Leased Line services. Also an ideal solution to provide faster and symmetrical bandwidth at a cost effective price.

This superior technology is delivered over fewer copper pairs than other solutions without compromise on speed. We guarantee minimum symmetrical speeds of 2 Mbps, going up to 20 Mbps. We're more likely to provide you with Ethernet access than other providers. This, together with our fast, simple and realistic pricing structure means more commercially viable cost-effective solutions for your business.

### Voice Over Ethernet (VoE)

Voice over Ethernet is an end-to-end managed solution using SIP technology to connect a business telephone system to the public telephone network (PSTN) and as a cost-efficient and flexible alternative to ISDN channels.

Ideal for businesses and call centres with ISDN voice channels, VoE will provide outstanding service availability, scalability, compatibility and the option to add other next generation technologies over our future-proofed network. VoE is a viable solution if you have outgrown your ISDN solution and are looking for a more cost effective alternative.

## Corporate Broadband Features

Features	iNbound  <sup>POINT</sup>	iNbound  <sup>PATH</sup>	iNbound  <sup>PRO</sup>
Secure <b>Online Management</b> for quick and easy access	✓	✓	✓
Make informed business decisions with <b>Performance Statistics</b>	✓	✓	✓
Never miss a call with <b>Divert on Busy/No Answer/Failover</b>	✓	✓	✓
<b>Time of Day/Day of Week Routing</b> to suit your business hours	✓	✓	✓
Deal with weekends and bank holidays using <b>Date Routing</b>	X	✓	✓
Load balance your calls across teams or sites with <b>Call Distribution</b>	X	✓	✓
Tailor call routing according to your callers numbers with <b>Area Based Routing</b>	X	✓	✓
Cope with your busy periods using scalable <b>Call Queuing</b>	X	X	✓
Provide callers with menu options for call routing using <b>Auto Attendant (IVR) Announcements</b>	X	X	✓
Measure productivity and advertising ROI with <b>Advanced Call Statistics</b>	Optional	Optional	Optional
Use <b>Call Recording</b> for audit trails, compliance or training purposes	Optional	Optional	Optional
Pick up, share and archive <b>Voicemail</b> across your sites or teams	Optional	Optional	Optional
Personalise call answering according to inbound numbers with <b>Call Whisper</b>	Optional	Optional	Optional

## **Our network supports other wide area networking solutions**

### **IPVPN**

This is a private network built specifically for multi-sited businesses that want to bring together and share numerous traffic types, such as voice, video and data into one streamlined network; giving each application the priority it needs.

### **Internet VPN**

Complementary to our managed IPVPN and private network solutions, Internet VPN allows connection of your sites together using a secure encrypted transmission over our business only access platform.

## **Applications of Wide Area Networking**

### **Collaborative work environments**

Connecting multiple offices and home workers

### **Routine sharing of large files**

Sending presentations and videos via email

### **Converged applications**

Voice, data and video over one IP network

### **Multi-tasking**

Where multiple high-bandwidth applications are open simultaneously. For example you're making a conference call, while simultaneously downloading a presentation and sending a large data file via email to a colleague.

## **Why our Network?**

### **Reach**

Our network is deeply built with the highest density of enabled exchanges in the industry.

### **Resilience and capacity**

Our core network is built to handle huge business data volumes and includes an 800Gb supercore fibre network around London and two 400Gb fibre rings around the main population centres and extends to other regions of the UK.

### **Capability**

We are truly making convergence a reality and together with our partners are delivering to a planned roadmap of robust and competitive products and solutions.

### **Cost**

Digitel's INET network has one of the lowest cost bases in the industry, providing you with a compelling cost effective commercial proposition that can significantly reduce your communications costs and increase your businesses operating efficiency.

**Call (0151) 650 0065 today or visit [www.digiteurope.co.uk](http://www.digiteurope.co.uk) or [www.inet.co.uk](http://www.inet.co.uk)**

# digitel

Business Communications

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