

# Ethernet Connect

Ethernet Connect service from Sure International provides a flexible bandwidth solution to support today's fast moving business needs.

## Key features

Our commitment to you is continual investment in our infrastructure in order to deliver:

- Flexible bandwidth from 2Mbit/s up to 1Gbit/s
- Easily scale your solution as your business needs grow
- Quality of service tagging provides prioritisation for your mission critical traffic
- Burst to a prescribed rate above your fixed rate for a fixed fee

# Ethernet Connect

## Benefits

Ethernet Connect provides high speed point to point or point to multipoint connectivity between your business sites. As an Ethernet based solution it provides a simple Wide Area Network (WAN) architecture based on Local Area Network (LAN) fundamentals which many businesses are familiar with.

To allow you to distinguish and prioritise critical and imesensitive data the Ethernet Connect service provides three different Quality of Service (QoS) levels to support and differentiate multiple traffic types such as voice, video and standard data.

Ethernet Connect solutions can also be tailored to provide either a fixed throughput or configured to allow your service to 'burst'. 'Bursting' gives you the assurance that during busy periods, you will have access to additional network capacity, which you pay a fixed fee for.

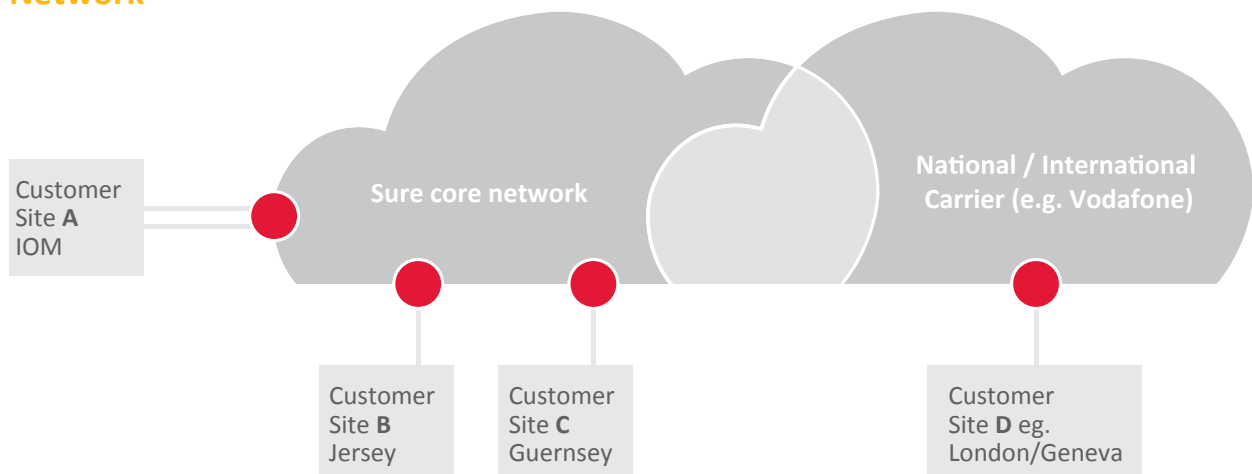
## Scalability

Ethernet Connect is provided over a selection of access bearers each capable of supporting a range of bandwidths (see technical specifications). These access bearers connect each of your sites into the Ethernet Connect service and in many circumstances can allow simple no-fuss upgrades to your overall solution without long lead times.

## High Quality Dedicated Bandwidth

Ethernet Connect is supported by a state of the art Multi Service Platform (MSP) with Multiprotocol Label Switching (MPLS) transport. All fixed bandwidth is dedicated with no contention, giving you a high quality service backed by a world class Service Level Agreement. Our core network is fully resilient using geographically separated cable systems and carrier-class technology to automatically and seamlessly route traffic around faults (when necessary).

## Network



## Technical Specifications

### Ethernet Virtual Connection (EVC) topology

EVC topology supports point to point and multipoint network architectures.

### Underlying network technology

Multi Protocol Label Switching (MPLS)

### LAN protocol transparency

The following protocols will be passed transparently:

Spanning tree (of various forms including STP, RSTP+,MSTP) IP, ISIS.

### Quality of Service (Optional)

**Standard:** For non-time-critical traffic such as email or Internet access

**Enhanced:** For business critical traffic that is too important to your business for delays or loss to be tolerated.

**Premium:** For delay sensitive real-time applications such as voice & video

**Class of Service mapping:** IEEE 802.1p P-bit

### Bursting (Optional)

Per site ability to burst bandwidth to a maximum prescribed rate.

### Bandwidth Increments Supported Access bearer Mbit/s

- 10Mb access bearer supports service bandwidths of 2, 4, 6, 8, 10 Mb/s
- 100Mb access bearer supports service bandwidths of 10, 20, 30, 40, 50, 60, 70, 80, 90, 100 Mb/s
- 1Gb access bearer supports service bandwidths of 100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000 Mb/s

### Customer Presentation (NTE)

Speed	10, 100 or 1000Mbit/s
Presentation	RJ45
Standard	IEEE 802.3 (10BASE-T, 100BASE-TX or 1000Base-TX)
Duplex	Full duplex
Auto negotiation	OFF (Not 802.3u compliant for auto-negotiation)
Power support	240VAC 50Hz
Mounting requirements	NTE must be rack mounted (UK)



**Guernsey**  
Centenary House  
La Vrangue  
St Peter Port  
Guernsey  
GY1 2EY  
01481 757757

**Jersey**  
The Powerhouse  
Queens Road  
St Helier  
Jersey  
JE2 3AP  
01534 888291

**Isle of Man**  
Atlantic House  
4-8 Circular Road  
Douglas  
Isle of Man  
IM1 1AG  
01624 692222