



# BT SHDS Connect UK

Networks that think



## Fast, reliable, secure and affordable

When you want to connect sites that are in the same town, city or region, Short Haul Data Services Connect services are the intelligent choice. With Ethernet speeds of 10Mbps, 100Mbps, 1Gbps and 10Gbps these services can go as fast as you need. With dedicated point-to-point optical fibre they have the highest performance, highest availability and highest security. And, for sites next to each other, in the same town, city or region, they are surprisingly affordable.

## Affordable high performance

Our SHDS Connect services are the ideal way to connect sites in the same town, city or region where LAN speeds are required to ensure application performance and improve operational efficiency. Their fixed price also makes them ideal for controlling costs.

- **Improve productivity** – Short Haul Data Services are high bandwidth, high performance, high availability, secure services ideal for supporting critical business applications
- **Improved risk management and innovation** – with Ethernet interfaces and transparent transmission, Short Haul Data Services carry almost all protocols and so are ideal for legacy and future applications
- **Operational simplicity** – as Short Haul Data Services use the same Ethernet technology as Ethernet Local Area Networks, they are easy to use and support
- **Improved cost control** – with a fixed price and no usage charges, SHDS Connect allows you to easily control costs and your budget and with the new SHDS Fixed Term 5 Year products our services are more affordable than ever.



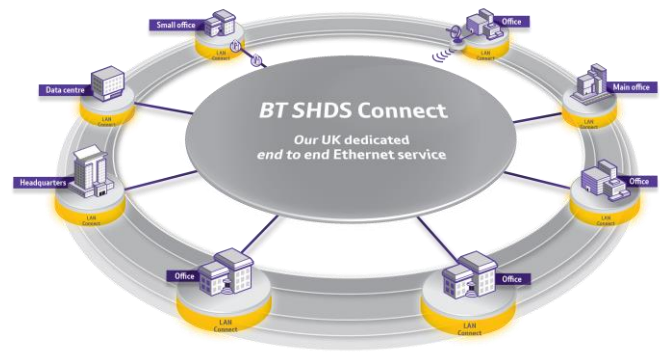
**SHDS Connect UK**  
dedicated point to point  
optical fibre with the  
highest performance,  
highest availability  
and security

## Site to site connectivity

As organisations change, connecting sites economically in the same town, city or region is often a challenge. Improving operational efficiency can depend on new applications demanding higher performance and ever greater bandwidth. These growing demands can strain budgets. Short Haul Data Services could be your ideal solution.

Short Haul Data Services features include:

- **High bandwidth** – with Ethernet speeds of 10Mbps, 100Mbps, 1Gbps and 10Gbps, Short Haul Data Services go as fast as your need
- **High performance** – as the service uses dedicated point to point optical fibre between your sites, you have the highest performance possible with data going in one end and coming out of the other with the minimum of delay, almost no jitter or packet loss. So Ethernet Short Haul Data Services are ideal for performance critical requirements
- **High availability** – because Ethernet Short Haul Data Services are simple, they are very reliable. We offer a range of resilience options to meet all your availability needs, even for the most critical sites
- **Secure** – your sites could not be more secure with your own dedicated optical fibre. The security of SHDS Connect is assured to IL2 standards.
- **Ethernet** – As Short Haul Data Services have Ethernet interfaces and transparent transmission, you have all the benefits of Ethernet: freedom to run legacy, latency sensitive applications, low cost equipment and easy speed upgrades
- **Wide geographic availability** – available wherever there is fibre, Ethernet Short Haul Data Services are available to over 99% of UK Business locations
- **Affordable** – Short Haul Data Services are surprisingly affordable and often cheaper than a National Ethernet or IP VPN services. As the service is dedicated to you they have a flat charge and unlimited usage, so budgeting is easy.



## Affordable high performance

Short Haul Data Services are really easy to own, there are a few simple choices to make: speed, resilience and power supply.

### Fixed symmetrical Ethernet speeds

Short Haul Data Services have Ethernet interfaces and are available at fixed speeds of 10Mbps, 100Mbps or 1Gbps. Depending on the service they have either optical or electrical presentation:

Service	Interface	Connector
10Mbps	10 Base T	RJ45
100Mbps	100 Base TX	RJ45
1Gbps	1000 Base LX or 1000 Base SX	LC
10 Gbps	10000 Base LR or 10000 Base SR	LC



### Dedicated point to point optical fibre

The service uses dedicated point to point optical fibre between sites for transmission. The maximum radial and route distances between sites depend on the service:

## Resilient options

We offer a range of resilient services to meet all your availability needs, even for the most critical sites:

- **The standard service** uses a single optical fibre between the NTEs at each site. Availability 99.95%
- **Resilient Access Option 1 (RAO1)** increases availability with a second diversely routed optical fibre between sites availability increase to 99.997%
- **Resilient Access Option 2 (RAO2)** further increases availability by adding separate NTEs at each site. Availability increase to 99.998%.

## Power supply

The NTE is locally powered and offers AC or DC power options. The customer will need to provide either dual local 50Hz AC supply in the form of standard 13Amp power socket(s); or dual 50V DC power distributions and Earth connections. An additional 13Amp socket is required for test equipment.

## Security

SHDS Connect is assured to IL2 This refers to government defined "impact levels" for confidentiality, integrity and availability. An impact level of 2 for confidentiality means that SHDS Connect can be used to pass Government Protectively Marked materials with a rating of "Protect".

## Service level guarantee

All SHDS Connect services are covered by an SLG for on-time delivery and another for repair within five hours of a total outage. Failure to meet these means that BT will reimburse the customer part of the connection fee and/or the annual rental.



Service	Radial distance	Route distance
10Mbps	45km	86km
100Mbps	45km	86km
1Gbps	45km	86km
10Gbps	25km	40km

## Site to site connectivity

Short Haul Data Services are ideal for any organisations that want to connect sites at LAN speeds and are 25km or less apart, or 45km or less for the extended reach options.

## Extensive expertise

Buying from BT not only means that you are buying a world-class, next-generation service, but it also means you are benefiting from over 25 years of investment in the design, building and management of secure networks around the globe.

We are at the forefront of global network technology. We can act as a single supplier for all your IT needs, and offer flexible, consistent service levels and an exceptional customer experience.

BT Global Services' capabilities are well recognised across the industry. We're featured in the Leadership category of Gartner's Magic Quadrant for Global Network Providers - based on Completeness of Vision and Ability to Execute.

Our team of professionals operate in more than 75 countries, and we have the world's largest qualified technical expertise resources, with more than 4,000 Cisco-certified engineers.



Get in touch with HM Network Ltd to learn more about SHDS Connect UK and how you can improve your site to site, internet and voice communications.

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