



SotaConnect Ethernet Services

SotaConnect Ethernet Services provide best value wide area infrastructure services based on a national network of over 70 Ethernet PoP's, including the SotaConnect PoP, managed by Neos Networks – the UK's most financially secure provider of Ethernet services.

SotaConnect Ethernet Services provide uncompromising performance and flexibility for data and voice networking in a multi-site environment. It is a cost-effective and technically superior alternative to other carriers and ISP's for point-to-point or hub-and-spoke wide area networks.

Why Ethernet?

With the implementation of leading edge new technology, Ethernet has escaped from the LAN and is now available on the WAN, eliminating the need for low bandwidth Frame-Relay, inefficient ATM, or expensive SDH.

A WAN based on Ethernet technology provides standardisation on one technology, the elimination of bottlenecks, a single network management system, no inefficient protocol conversions, increased throughput, and improved latency.

Liquid Bandwidth

SotaConnect Ethernet Services are a departure from the fixed and rigid bandwidth options of the past, featuring Liquid Bandwidth, which means that customers can choose exactly how much bandwidth is needed on the network to suit changing communications needs. Bandwidth options range from 1Mbps to 1Gbps.

Ethernet Transport

Ethernet Transport provides low cost point-to-point, or on-net, connectivity between Neos PoPs. National, Metro and Extended Metro categories of PoP exist to simplify the pricing process (the SotaConnect PoP is classified as Extended Metro). For customers sharing a Neos PoP or co-lo facility a standard Ethernet RJ45 connection is provided enabling the use of Liquid Bandwidth anywhere in the UK.

LAN Extension

Any organisation not sharing a Neos PoP location or co-lo facility can connect to the nearest Neos PoP via an Ethernet LAN Extension tail circuit. This can usually be provided using fibre optic circuits or wireless microwave or free-space optics. This is the ideal solution for branch to head office, head office to data centre, and regional HQ to regional HQ connectivity, with all the benefits of Liquid Bandwidth.

Quality of Service

SotaConnect Ethernet Services via the Neos Network ensures Quality of Service (QoS) for your applications. By using Layer 2 networking technologies the full benefits of MPLS-based Quality of Service can be realised, with sub-50ms latency to support the most demanding voice or video applications. Building on the strengths of Ethernet, SotaConnect Ethernet Services offer Quality of Service prioritisation that you can rely on.



Security

Customers receive dedicated ports. MAC addresses are used for Admission and Delivery Control to provide leak-proof connections. Intrusion protection alerts at the Neos NOC, spoofing lock-outs, compatibility with IPSEC and VPN, as well as a physically secure core network are just some of the security features offered.

Support

SotaConnect Ethernet Services are offered with a range of service features including network monitoring and management and valuable service level agreements (SLA's). Technical support is provided by the SotaConnect technical support team and 24x7 via the Neos Network Operations Centre (NOC).

Pricing

The price of a solution based on SotaConnect Ethernet Services is usually determined by a combination of standard Ethernet transport costs and tail circuit costs. Our pricing tools enable fast calculation of all set-up fees and annually recurring costs based on any number of locations and the bandwidth required. Please call to discuss your requirements. We aim to respond faster than any other carrier can.



About SotaConnect

SotaConnect is a portfolio of best-value voice, data and Internet services, including wide-area infrastructure and business continuity services for small, medium and large enterprises, public sector organisations, and other service providers.

The nerve-centre of SotaConnect is a state-of-the-art data centre located in the Kent countryside just 40 miles from Central London, within a highly secure, ring-fenced research centre. The SotaConnect Data Centre is located at the juncture of two international fibre optic networks, providing the highest level of resilient connectivity and virtually unlimited bandwidth.

The SotaConnect Data Centre is the regional presence of an established, high performance, and technically innovative, national network owned by a £4bn blue chip corporation. It is the first and only Ethernet point-of-presence (POP) in Kent which can provide national Ethernet services at speeds up to one Gigabit per second.

The SotaConnect POP is integrated with a national network of over 70 Ethernet POP's managed by Neos - an established subsidiary of Scottish & Southern Energy Plc. Gigabit Ethernet connectivity to London provides SotaConnect with direct access to some of the world's largest Internet backbones.

SotaConnect compliments a comprehensive portfolio of integration services which have been provided by [Sota Solutions Ltd](#) since 1988.