What is Sharedband Bonding?

Sharedband bonding is the alternative to the more expensive private circuits. Many companies are limited in terms of ADSL connections due to long line lengths and other factors beyond their control.

Sharedband get around this problem by enabling the upstream and downstream bandwidth of multiple Internet connections to be aggregated. For example two x 2Mbps download, 250kbps upload ADSL lines could be pooled with Sharedband, to provide up to a 4Mbps download and 500kbps upload connection.(less a slight overhead for the bonding process)

Resilience is improved because this aggregation occurs at the IP layer, multiple Internet Service Providers and wholesale infrastructures can be used.

Features and Benefits

Sharedband offers improved resilience with increased connection speeds of up to four times that of a single ADSL line. It eliminates singular points of failure on ADSL connections and smoothes over line drops or fluctuations with the aggregation technology.

Increased speed can double downloads and uploads to the internet, improve on efficiency and performance.

Resilience and SLA - There is no SLA attached to a singular ADSL line from BT, Sharedband assists in eliminating this issue by negating singular line failures. In this event then the Sharedband would fail over to the remaining line and continue to deliver internet access to your business.

Application support - VOIP, VPN and port forwarding are all supported over the Sharedband connections, again increasing usage speeds and resilience for these critical applications. Sharedband is easily configured and works with existing internet connections that are not necessarily from Talk Internet. This again increases resilience by utilising differing providers for internet connections.

Support – Talk Internet provide preconfigured routers for Sharedband connections. These routers are compatible with ADSL, SDSL and Ethernet Leased Line solutions.

Configuration

Once an order for Sharedband is received then Talk Internet provide pre-configured routers that are plugged into the existing or new ADSL, SDSL or Ethernet connections. You can then expect an aggregated speed increase of the two or more lines together.
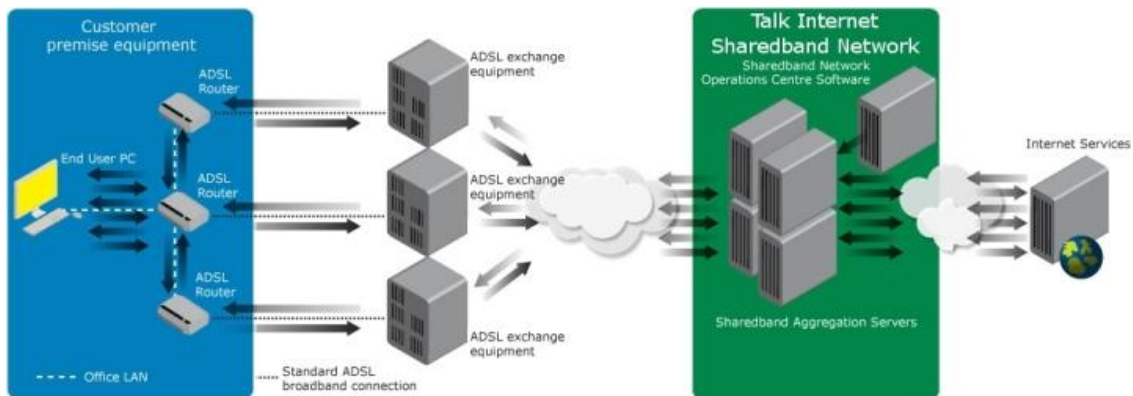
Management - A full user interface is available for speed testing, load balancing and port redirections.

Customised Routers – Talk Internets Sharedband service includes customised routers for your business, all that is required is that you connect them to the Internet connection and aggregation of the services will be completed.

Need more information? Call us now on 0845 310 1010 or visit www.talkinternet.co.uk

Registered Office : Suite 12, Xpdia, Crab Lane, Warrington, WA2 0XP   Company Registered Number : 3034179   Email : sales@talkinternet.co.uk

How does Sharedband work ?

Sharedband works by splitting large files into small segments which are transmitted in parallel over several lines and recombined at the other end. By combining the capacity of two ordinary Broadband connections, Sharedband delivers twice the performance. Use four connections, and you get up to four times the speed.

The diagram above shows how the aggregation servers process the Sharedband router requests and delivers the service to your business.

Sharedband Comparison Chart				
Estimated Speeds	Up to 10MB download and 1.5MB upload depending on lines and exchange	Up to 10MB download and 2MB upload depending on lines and exchange	Up to 10MB download and 2.5MB upload depending on lines and exchange	Up to 10MB download and 10MB upload depending on Ethernet lines bonded
Support for 3rd Party ADSL lines	Yes	Yes	Yes	Yes
Support for non ADSL circuits	Yes	Yes	Yes	Yes
Number of Live IP's	4	4	4	8
Online Monitoring	Yes	Yes	Yes	Yes
Resilient to single line drops	Yes	Yes	Yes	Yes

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Sharedband Bonding

Technical Facts and Features

Supported lines and devices	Netgear DG845 custom routers (ADSL presentation), WTR54GL for Ethernet presentation for bonding FTTC, FTTP and Ethernet circuits
Speed	Sharedband requires a 10% overhead for packet re-sequencing. Max speed 25Mb download 25Mb upload per bonded connection
Number of lines	1-4 Bonded lines per setup. Can be a fix of access technologies
Port forwarding	Port forwarding supported for TCP and UDP ports from 1 – 25000. Direct one-one mappings for public IPs.
IP Allocations	Supports type 1 (NAT) and type 2 installations. Routed mode all can be setup to provide public IP space direct to firewall devices.

About Talk Internet

A quick glance at the market will reveal that there are many ISPs that you could be talking to - so why deal with Talk Internet? The answer is simple, flexibility. We do not believe in a "one-size fits all" approach. We customise our solutions to meet our customers' specific requirements and this approach has been at the core of our success.

Established for over 10 years, we are a UK-based operation, with our data centres and support function located in the UK. This means that if you have a problem you can quickly get through to one of our highly-trained support technicians who will help you find a resolution.

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