

What is an Ethernet Circuit?

Talk Internet's Ethernet circuit service provides you with a dedicated cable to your premises. This cable can then either be used to access the Internet via Talk Internet (Internet Lease Line), or to provide a secure, high-speed connection between your premises (Point to Point Lease Line).

Ethernet Lease Lines also come with attached SLA (Service Level Agreements) from the provider, this results in quicker fault escalation and a guaranteed time to fix, something that ADSL connections do not offer. Leased Lines are also un-contended and work on a 1:1 contention ratio. The line is yours for your traffic only.

Features and Benefits

Ethernet circuits enable quick, stable connectivity to the internet.

Subject to SLA's - from the provider to ensure that the line is always available for your business.

Contention ratio - Ensures that you have full capacity on the line at all times enabling you to run more web intense applications such as VoIP, replication and web hosting services.

Collocation benefits - All of Talk Internets Leased Lines are terminated in our data centres giving unparalleled access to any hosted services that you obtain from us, including hosed servers or co-location servers.

Low Latency - With your servers/application hosted within the same data centre you have reduced network hop's to ensure that access speeds to your hosted services are as quick as possible.

Flexible Bandwidth - We can tailor the Ethernet service so you have a high capacity link to your own hosted network whilst retaining a set bandwidth speed to the internet.

Choice – A full choice of service speeds are available from 2mb to 1GB

Managed Router – Talk Internet can provide a fully managed and configured router for your site, thus taking away the technical aspect of the setup and management of the Leased Line.

Copper presentation – Leased Line speeds are now available over copper presentation in selected areas, thus creating a cheaper installation cost than the typical Fibre presentation.

Configuration

Leased Lines are installed by the service provider to your business premises, either via fibre or now over copper provision, these are then terminated with a CAT 5 connection (usually) that you then plug into the managed router supplied by Talk Internet. The connection is straight to the internet and therefore it is recommended that you install a firewall as well to add the protection that you will need to your servers and network. Connectivity is then exactly the same as using a normal router to connect to the internet.

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

Ethernet Circuit Comparison Chart

	10Mbps Ethernet Leased Line	100Mbps Ethernet Leased Line	1GBps Ethernet Leased Line
Delivery	Copper or Fibre	Fibre	Fibre
Bandwidth Options	Up to 10Mbps in 2MB increments	Up to 100Mbps in 5Mb Increments	Up to 1GBps in 10Mb increments
Bandwidth contention	1:1	1:1	1:1
SLA and 24x7 fault repair	Yes	Yes	Yes
Resilience options	Single circuit	Optional dual circuit feed	Optional dual circuit feed
Number of external IP's	8	16	32
IPSEC VPN Support	Yes	Yes	Yes
Online bandwidth stats	Yes	Yes	Yes
Online monitoring	Yes	Yes	Yes

Technical Facts and Features

Flexible bandwidth options	Purchase 10/100/1000mbps access circuits
Low Latency	Real Time application support and VOIP compatible
SLA service	Full SLA support with 24x7 fault repair and monitoring
Contention	1:1 contention guaranteed
Flexible bandwidth options	Purchase 10/100/1000mbps access circuits
Low Latency	Real Time application support and VOIP compatible
Reliability	ADSL failover option with fully preconfigured IP SLA router
IP addressing	IPv4 IP addresses available upon request for up to 256 ip addresses

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 15 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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