

## EPS's SDSL Internet Service Options

### What is SDSL?

SDSL is a symmetrical Internet service that provides the same broadband speed for uploading and downloading information, unlike ADSL which is an asymmetric service providing a slower upload performance. SDSL is generally also more suitable for intensive use and some versions come with latency and other guarantees.

### EPS provides the widest range of SDSL in the UK:

1. **PureStream SDSL™** is EPS's flagship SDSL product offering a primary 1:1 SDSL backed up by a second 1:1 SDSL circuit with two different bandwidths available: 1Mb & 2Mb. The circuits are provided on different wholesale networks, increasing redundancy but ingeniously both circuits use the same IP addresses which make changing from one circuit to another very straightforward.

PureStream™ is a genuine leased line alternative since it provides exceptional redundancy combined with service level guarantees on latency, packet loss and jitter which makes it especially appropriate for use with Voice over IP, video conferencing and other such sensitive and bandwidth hungry applications.

2. **DualStream® SDSL** provides a primary SDSL backed up by an ADSL failover circuit. Like PureStream, both circuits utilise the same IP addresses which makes changing from one circuit to another simple. DualStream® is available with three upstream / downstream bandwidth options: 512Kb; 1Mb & 2Mb; three contention options: 20:1; 5:1 & 1:1 and together with a special low cost 1:1 variant called DualStream® M, there is a product suitable for every requirement.

The 1:1 version of DualStream® and DualStream® M are especially appropriate for critical applications such as voice, video and other services where latency, packet-loss and jitter guarantees ensure that the service performs at a high level.

3. **SDSL M** is a low-cost 1:1 SDSL service. This service is based on ADSL technology but offers symmetrical bandwidth of 2Mb or 1Mb as with conventional SDSL. This service is widely available and is very good value at just £99.00 per month for 2Mb. Note that SDSL M requires an analogue line (just as with ADSL) and uses an ADSL router. SDSL M can also be provided with a back-up ADSL circuit which is called DualStream M (see section 2 above for more details).

4. **SDSL IPStream** is a 10:1 contention circuit available with 512Kb, 1Mb and 2Mb of bandwidth. The circuit is normally only used where DualStream® or SDSL M is not available or where the circuit is required urgently as it can be installed in as little as four days if expedited.

### EPS SDSL Product Summary:

SDSL Product	PureStream™ £249.00	DualStream®	DualStream® M £109.00	SDSL M £99.00
Benefit	Fast, Ultra-low latency, Highly Resilient	Fast, Ultra-low latency, Resilient	Fast, Low latency, Resilient	Fast, Low latency.
Primary Circuit	2Mb 1:1 SDSL	2Mb 1:1 SDSL	2Mb 1:1 SDSL M	2Mb 1:1 SDSL M
Backup Circuit	2Mb 1:1 SDSL M	2Mb 20:1 ADSL	2Mb 20:1 ADSL	N/a

### Is SDSL suitable for me?

SDSL is suitable for businesses that regularly need to send and receive large amounts of data. It is particularly suited to linking different sites or branch offices or for data intensive traffic such as video, voice and FTP. If you currently use ADSL and you find that it struggles when you send data from your office, then SDSL should give you a much better performance as it provides up to three times the upstream bandwidth, has the option of much lower contention ratios than ADSL and some versions are much more suitable for intensive use.

### Is SDSL more reliable than ADSL?

SDSL is a similar technology to ADSL and offers similar reliability. However, EPS's PureStream™ and DualStream® SDSL products combine two separate circuits using different equipment in the local exchange which minimises the chance of you being left without an Internet connection.

### How soon can I have it?

The lead time varies according to the product:

SDSL IPStream normally takes two weeks, but can be expedited and installed in as little as three or four days. SDSL M normally takes up to two weeks, although it does need an analogue line in place and this will take up to two weeks to install if required.

DualStream® and PureStream™ can take up to five weeks to connect, although typically this service is supplied in three-four weeks.

### How do I find out more or order the service?

If you would like to find out more information on EPS's SDSL services, or would like to place an order, please contact your enquiries@epsnet.co.uk or 01264 300 999.