Ethernet Private Line

Telstra

Get ready to grow. Ethernet Private Line offers scalability, privacy and performance.

What is Ethernet Private Line?

Whether you plan on expanding into new territories, opening new offices or rolling out new bandwidth-hungry applications, with Telstra's MEF-certified Ethernet Private Line (EPL) service, you can gradually expand your network capacity to meet your business needs. Available in Asia, Australia, Europe and North America, EPL offers dedicated bandwidth, high security and low latency.

Benefits

A dedicated and secure service

Telstra's EPL service is ideal for companies that require dedicated bandwidth and data privacy (as compared to shared network). The service operates at the Open Systems Interconnection (OSI) model layer 2 and, as a result, it gives companies the ability to control their network routing and manage their own security. EPL is delivered over Telstra's extensive cable assets using Synchronous Digital Hierarchy (SDH) technology and can be set up in point-to-point or point-to-multipoint configurations, with a variety of protection/ restoration options. In addition, intelligent MEF-compliant Network Interface Devices (NIDs) are installed on your sites as standard, enabling end-to-end support, diagnostics and performance reporting.

Capacity that can be easily increased

With EPL, you can have confidence that the bandwidth you need is reserved specifically for your own use. Over time, as your needs change, it is easy for you to expand your capacity, in small and affordable increments, and build your total capacity to as much as 100Gbps. You only pay for the capacity you need. What is more, bandwidth increases can be achieved through simple 'soft upgrades' with minimal service disruption.

Flexibility and high performance

EPL provides support for jumbo frames, which enable better transport and bandwidth efficiency. The service is very flexible and can be set up in both point-to-point and point-to-multipoint configurations. VLAN and protocol transparency means you can customise and send traffic according to your own business rules. You can also select from a number of different protection/restoration options, to gain a high level of service resilience, backed by service level agreements.

Simple and cost efficient to deploy

Using Telstra's EPL service can help reduce both operational and capital expenditure as organisations can typically buy inexpensive Ethernet equipment for their Wide Area Network (WAN) or re-use their existing Ethernet equipment. In addition, Ethernet local access is one of the most cost effective solutions when compared to other WAN technologies, contributing to a lower total cost of ownership. Soft bandwidth upgrades allow you to increase your network capacity and spend in line with your business growth.

Features

Global connectivity

Available in over 17 countries globally and access to more than 26 submarine cables spanning more than 300,000km.

Wide range of speeds

Extends from 2Mbps to 100Gbps, with a choice of bandwidth increment options.

Choice of interface sizes

A choice of Ethernet, Fast Ethernet (100 Mbps), Gigabyte Ethernet (1000 Mbps) and 100 Gigabyte depending on your requirements.

Protected, Unprotected, Always On and Restored service options

A choice of resiliency options depending on your business continuity requirements.

"Always On", an option that is highly-resilient with three diverse paths between Singapore, Hong Kong and Japan, delivered across a high capacity sub-sea network. Instantaneous "Always On" offers automatic service restoration across the three cable systems.

Service level agreements

Provides you with service levels for service delivery, availability, Round Trip Delay (RTD), frame delay variation and frame delivery ratio.

24/7 customer service

Specialist technical support is available whenever it is needed.

Strong partnerships with other carriers – 25+ countries

Establish a Telstra EPL in locations where a direct presence is not possible due to local regulations or other restrictions, with the added benefit of a complete end-to-end experience and one point of contact for ordering, billing, and service management.

EPL options

Standard interfaces and bandwidth offerings, including:

- Bandwidths: 2Mb to 100GE
- Interfaces: 100BaseTx, 1000BaseLx, 10GBaseLR and 100GBase-LR4
- In-Country Bandwidth Service (ICBS) offers dedicated bandwidth, high level of security and fixed latency. It offers site to site connectivity in the same city to address both Enterprise and Wholesale customer needs. Available in Singapore, Hong Kong, Japan and United Kingdom.

A comprehensive portfolio of next-generation Ethernet services

Telstra's EPL service is one of the three Ethernet services offered by Telstra, which has been awarded CE2.0 certification from Metro Ethernet Forum (MEF). This recognises high performance and compatibility with MEF standards compliant solutions.

Our Ethernet portfolio includes:

- EVPN
  - Virtual Private LAN Service (VPLS)
  - Ethernet Virtual Private Line (EVPL)
- EPL Express

Contact your Telstra account representative for more details.

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