

# Ethernet

Deliver new agility and flexibility with on-demand Ethernet services

## Overview

Epsilon's on-demand Ethernet provides you with instant access to global connectivity, enhancing the scalability and efficiency of your business. By eliminating manual processes that can hinder global deployments, on-demand Ethernet offers connectivity that can move as fast as the Cloud.

Our Ethernet services are MEF-certified for reliability and flexibility and delivered with granular bandwidth options ranging from 2Mbps up to 100Gbps. Through our Infiny platform, benefit from a self-service model designed to accelerate your connectivity.

We simplify the procurement and management of Ethernet services, giving you a solid foundation for delivering high-performance applications and services.

## Services

### SWITCHED ETHERNET

- Switched Ethernet is delivered through a packet-based platform built on carrier-grade MPLS, providing feature-rich, flexible services and reliable performance
- Supports bandwidth ranging from 2Mbps up to 100Gbps
- Ethernet Private Line (EPL), Ethernet Virtual Private Line (EVPL), Access EPL, Access EVPL
- Ethernet over MPLS (EoMPLS) service

### DEDICATED ETHERNET

- Dedicated Ethernet is delivered over an SDH network that is exclusively dedicated to a single customer. The customer can choose the path of the Dedicated Ethernet service, ensuring maximum reliability is achieved



Epsilon's Ethernet services are delivered via Infiny, our on-demand interconnectivity platform. With our web-based portal, mobile apps and APIs, easily and swiftly connect from your port to any data centre, cloud service provider, or Internet Exchange.

- Web-based ordering with a self-service model
- Network and performance analytics
- Instant access to pricing
- Click-to-connect provisioning

- Supports bandwidth ranging from 2Mbps up to 1Gbps
- Ethernet Private Line (EPL)
- Ethernet over Synchronous Digital Hierarchy (EoSDH) service

## Features

- On-demand, web-based Ethernet connectivity
- Order E-LINE services through Infiny
- Private virtual connections for direct Cloud access
- Private virtual connections to Internet Exchanges (IX) for remote peering
- Direct secured interconnections with leading service providers
- Granular bandwidth options from 2Mbps up to 100Gbps
- Real-time performance reporting on Infiny
- Protected and unprotected options available
- Robust SLA guaranteeing up to 99.95% availability
- MEF 2.0 certified for all E-Line Port & VLAN-based services
- Benefits of point-to-point, point-to-multipoint, and multipoint-to-multipoint topologies

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“We’ve revolutionised the Ethernet landscape, offering our partners with a simple and powerful approach to interconnectivity. Experience robust and on-demand global connectivity without the hassle of managing multiple relationships for faster and more efficient Ethernet services.”

### Emma Wang

Global Product Manager  
Epsilon

## Benefits



### Rapid Scalability

Instantly access world-leading Cloud Service Providers through on-demand Ethernet connectivity on our Infiny platform



### Dedicated and Switched Options

We offer both Switched and Dedicated Ethernet options, allowing you to choose the solution that best fits your needs



### Guaranteed Quality

Enjoy low latency and low jitter connections with guaranteed throughput for greater reliability



### Greater Control

Simplify the procurement of Ethernet services and scale up or down according to your evolving needs with our click-to-connect provisioning



### Simplified Operations

Effortlessly monitor and manage performance, reporting, billing, and support services through our dedicated web portal



### API-enabled

Seamlessly integrate our on-demand Ethernet services into your existing platforms and solutions with our APIs

## Why Choose Us?

### Unparalleled Global Reach

Enjoy instant access to over 600 Cloud, IX, Network, and Technology partners across our global network

### Ethernet Experts

We are continually innovating and optimising our Ethernet services to deliver the best solutions

### Built for Speed

Our web portal and API-enabled platform enable you to connect Ethernet services with a simple click and scale rapidly to meet changing demands

### Competitive Pricing

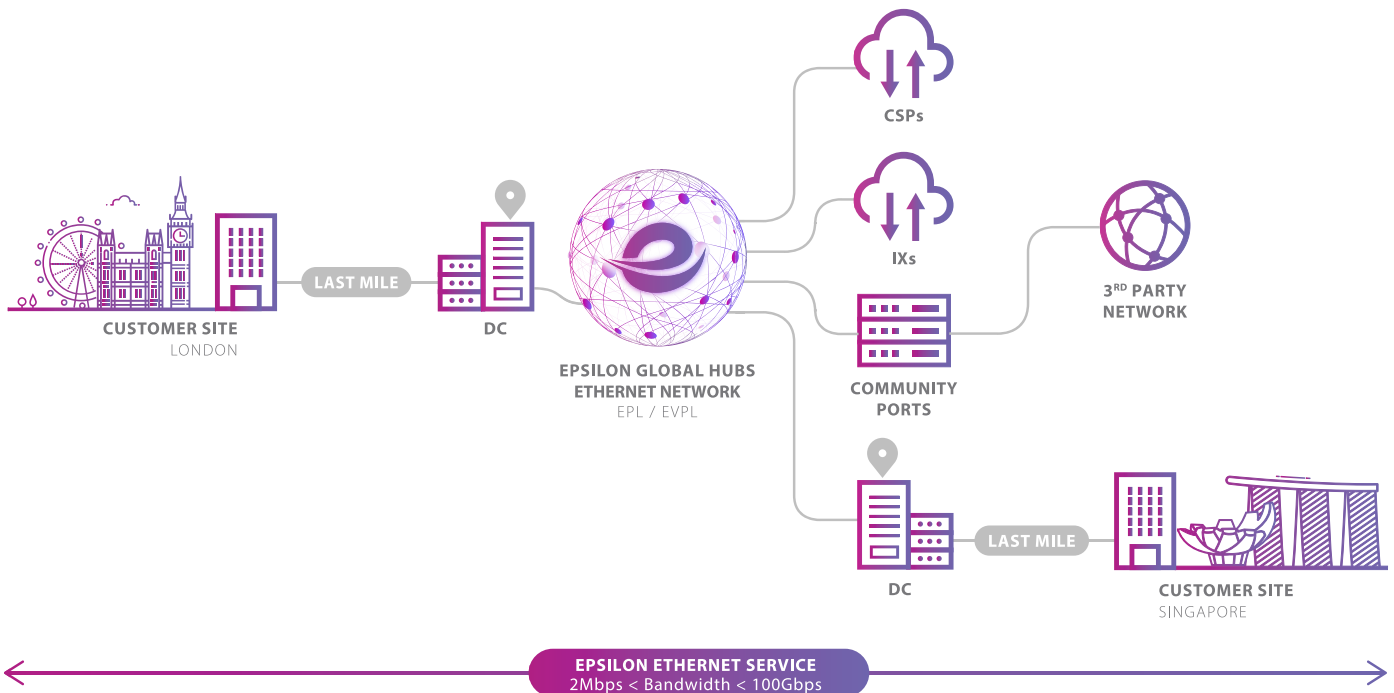
We offer cost-efficient solutions tailored to your business needs. Our flat pricing, categorised by region or bandwidth, guarantees you peace of mind with no hidden costs

### Robust Network Backbone

Ensure secure, resilient and high-speed point-to-point connectivity with Ethernet Private Line (EPL) or Ethernet Virtual Private Line (EVPL) configurations

### A Securely Environment

With our carrier-class, next-generation optical network, rest assured that your mission-critical data is protected 24x7x365



## TECHNICAL SPECIFICATIONS

SERVICE PARAMETER	SWITCHED ETHERNET	DEDICATED ETHERNET
<b>Interface Type</b>	UNI, E-NNI	UNI
<b>Port Rates</b>	<b>1G:</b> 1000BaseTX/SX/LX <b>10G:</b> 10GBase-SR/LR <b>100G:</b> 100GBase- LR4	<b>100M:</b> 100BaseTX <b>1G:</b> 1000BaseTX/SX/LX
<b>Bandwidth Profile</b>	From 2Mbps to 100Gbps	From 2Mbps to 1Gbps
<b>Topology</b>	Point to point	
<b>MEF VEC Service Types</b>	Ethernet Private Line (EPL), Ethernet Virtual Private Line (EVPL), EVPL, Access EPL, Access EVPL	EPL
<b>EVC Attributes</b>	<b>EPL:</b> L2CP tunneling  <b>EVPL:</b> <ul style="list-style-type: none"> <li>• 1x VLAN with VLAN preservation</li> <li>• 1x VLAN with VLAN translation</li> <li>• Bundle VLAN list</li> <li>• Bundle VLAN range</li> <li>• Virtual untag</li> </ul> <b>Access EPL:</b> 1 x UNI to 1 x E-NNI  <b>Access EVPL:</b> <ul style="list-style-type: none"> <li>• 1 x VLAN to 1 x ENNI</li> <li>• 1 x VLAN with VLAN preservation</li> <li>• Bundle VLAN list</li> <li>• Bundle VLAN range</li> <li>• Virtual untag</li> </ul>	<b>EPL:</b> L2CP tunnelling, VLAN transparency
<b>Transport Technology</b>	Packet switched technology (MPLS)	EoSDH (GFP framing of Ethernet on virtually concatenated SDH)
<b>Protection Options</b>	Unprotected, protected (MPLS path protection)	Unprotected, protected (SNCP 1+1)
<b>Maximum Ethernet Frame Size (DA To FCS)</b>	9100 bytes (UNI) 9104 bytes (E-NNI)	
<b>Jumbo Ethernet Frames</b>	Supported as above	
<b>Interface Configuration</b>	Auto-negotiation on, flow control off	
<b>Interface Protection</b>	Yes (LAG - active/active)	
<b>Service Uptime</b>	Maintain the service uptime SLA 1) RTD: <a href="https://epsilonintel.com/global-network-footprint/network-latency-city/">https://epsilonintel.com/global-network-footprint/network-latency-city/</a> 2) Packet Loss Ratio: 0.01% 3) Jitter <5ms	
<b>Packet Loss Ratio</b>	< 0.001%	
<b>Service Availability</b>	Globally in all Epsilon PoPs	

## Contact Us

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