epsilon *e* a **kt** company

Remote Peering

Effortlessly expand your global presence with on-demand access to leading Internet Exchanges via a single port.

Overview

Epsilon's Remote Peering solution securely connects you directly to the world's leading IXs, allowing you to benefit from peering at major global exchanges from anywhere in the world.

By leveraging our network fabric, which connects leading data centres around the world, you can now bring your users closer to content and services without the need to be physically present at Internet Exchange Points (IXPs) for peering with local service providers.

Remote Peering is a cost-effective solution for interconnecting with the global peering fabric from a single hub. It not only adds resilience to your network but also improves latency. Infiny, our award-winning platform, offers powerful and diverse peering capabilities, along with reliable, cost-efficient, and scalable private connections.

Features

- Interconnected with a vast ecosystem of Internet Exchange partners
- On-demand dedicated and scalable peering connectivity (from 100M to 100G)
- Reduce upstream and transit costs by offloading to peers
- Real-time performance monitoring
- 24/7 technical and operational support
- Transparent pricing for connectivity, ports, and membership fees
- Service Level Agreement (SLA) commitment
- Convenient access through a web portal or API integration
- Terabit Packet Optical Network
- Quality of Service (QoS) and Experience (QoE)

INFINY BY EPSILON

Infiny by Epsilon is a Network as a Service (NaaS) platform that offers direct, on-demand connectivity to global Internet Exchanges (IXs). It simplifies peering with thousands of interconnect peering members from a single location. With just a click of a button, seamlessly access IXs anywhere in the world.

- Web portal or API-based management
- On-demand connectivity to global Internet Exchange Points (IXPs)
- Simple self-service interface

Benefits

Extensive Global Reach
Interconnect to global Internet Exchanges (IXs) via our 120+ on-ramp locations, and access a vast network of 8,000+ peering members without the need for a physical presence.

Scalable Connectivity
Easily connect to multiple IXs remotely and on-demand with Infiny and enjoy the flexibility to scale your bandwidth according to your needs.

Enhanced User Experiences
Reduce network latency with minimised number of hops between service providers. Unlock optimal performance for bandwidth-sensitive applications.

Cost Optimisation
Eliminate the need for substantial upfront investments and pay solely for the required bandwidth and connections.

Seamless Onboarding
Simplify your peering journey and let us take care of all your IX memberships and onboarding. Experience the convenience of a single contract for connectivity and IX peering services.

Single Access Port
Remove the expenses and time constraints associated with having a physical presence at multiple IX peering locations. We bring your preferred peering partners to you at a convenient location through a single interconnection port.

"Remote Peering makes connecting to Internet Exchange easy and simple to manage. With on-demand connectivity, you can peer from anywhere in the world. It eliminates the limitations on how you connect to Internet Exchanges while providing instant access to new and scalable networking."

Peter Young
Global Product Manager
Epsilon

Why Choose Us?

One Connection
With Epsilon, you can establish a single relationship to connect globally to IXs and peer remotely.

Global Hubs
Gain access to all major communication hubs worldwide through our services.

Trusted Service
With over 20 years of experience, we assure that you can peer around the world with confidence.
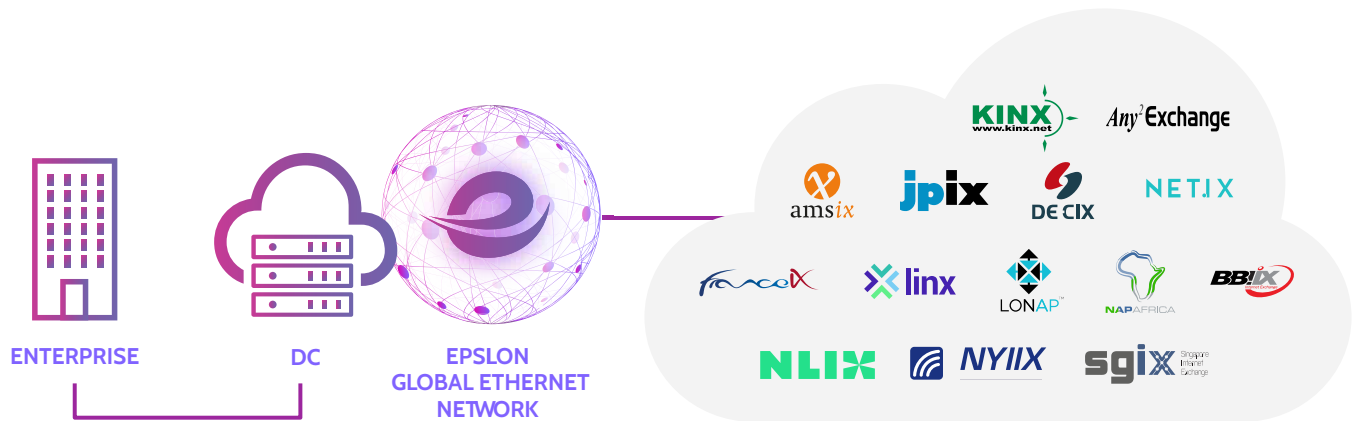
A Future-focused Approach
Our innovative approach to on-demand connectivity is shaping the future of the industry.

Customer Service Excellence
We prioritise your overall needs and deliver exceptional customer service on a global scale.

A Powerful Model
Our flexible Infiny platform allows for seamless remote peering with on-demand connectivity.

ENTERPRISE   DC   EPSLON GLOBAL ETHERNET NETWORK

TECHNICAL SPECIFICATIONS

Interface Type	UNI
Port Rates	1G - 1000Base SX/LX
	10G/100G - 10GBase SR/LR
Bandwidth Profile (Mbps)	100, 200, 250, 500, 1000, 2000, 2500, 3000, 4000, 5000, 10000 & 100000 (Up to 100G where available)
	10G & 100G Vlans & 100G on Dedicated Ports (Where available)
	Dependant on IXP service offering
Topology	Point to Point
MEF EVC Service Types	Ethernet Virtual Private Line (EVPL)
EVC Attributes	1x VLAN with VLAN preservation
Transport Technology	Ethernet
Protection Options	Protected/Unprotected
Maximum Ethernet Frame Size (DA to FCS)	9100 bytes (UNI)
Jumbo Ethernet Frames	Supported as above
Interface Configuration	Auto-negotiation on, flow control off
Interface Protection	Yes (LAG-active / active)
Service Uptime	99.5% for unprotected
	99.95% for protected
Packet Loss Ratio	< 0.001%
Service Availability	Globally between all Epsilon Infiny enabled PoPs

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