

London Metro Wavelength Services

High capacity, low latency bandwidth for data centre connectivity across London, with optical networking you can trust

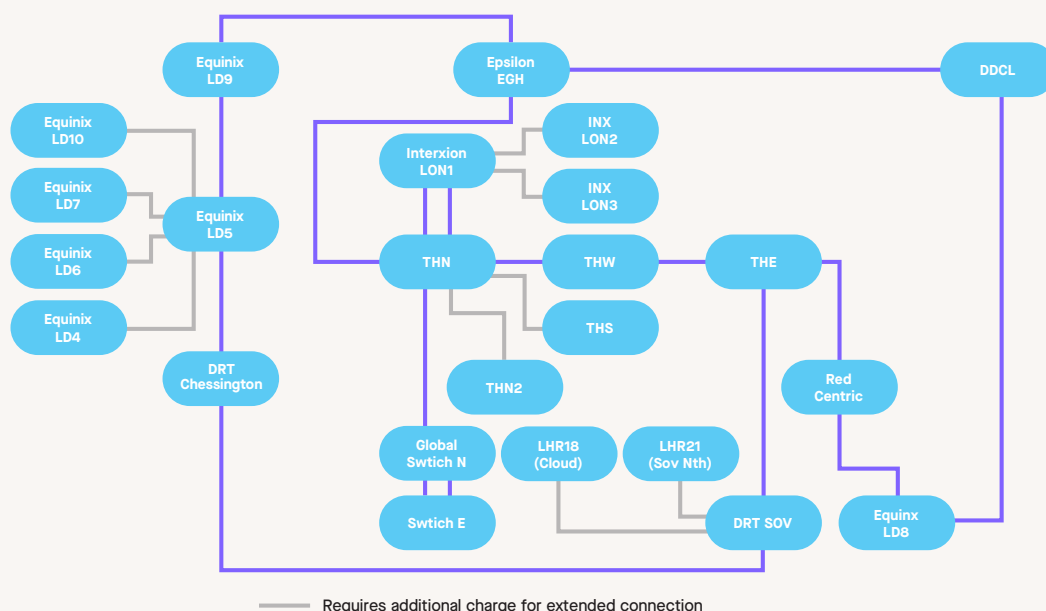
Overview

Epsilon's Metro Wavelength services deliver high-performance optical connectivity with dedicated bandwidth, low latency, and transparent end-to-end transport across our London metro network with options up to 400G. Designed with fast access to data centres across greater London, our services enable seamless scalability and improved operational efficiency of your network and business operations.

We offer the most competitively priced Wavelength services in the United Kingdom, even outperforming other suppliers' promotional rates. Our cost-effective pricing, combined with high availability and rapid deployment, makes us the go-to choice for London metro connectivity.

With on-net access to 24 data centres across greater London, including Slough, our services also extend beyond London if required. We enable direct connectivity options to and from submarine cable systems in major data centres such as Telehouse, Global Switch, Equinix, and DRT Sovereign House.

Operating on a ROADM-enabled optical network, our Wavelength services utilise both fixed and flexgrid DWDM technologies for superior flexibility, resilience, and performance.



Features



High-capacity Options

10G, 100G and 400G available across our London Metro network



Industry-leading SLAs

Guaranteed 100% service availability



Rapid Deployment

10-day delivery for selected Data Centres (subject to cross-connects)



Design Flexibility

Choose from Diverse, Network Protected, or Client Protected configurations



Tailored Solutions

Customised service design to meet specific requirements



Dedicated Connectivity

Point-to-point optical links ensuring security and performance



Transparent End-to-end Transmission

Minimal protocol limitations for greater flexibility



Ultra-low Latency

Optimised routes for time-sensitive applications



Seamless Scalability

Easily upgrade network capacity without service disruptions



Extensive Coverage

On-net presence in 24 data centres across London



Global Reach

Access to 30+ submarine cable systems



Cloud-ready

Direct connectivity to Cloud Service Providers such as AWS, Azure, Google, Oracle and more



IX Connectivity

Connectivity to London Internet Exchange (LINX) and LONAP

“Epsilon’s London Metro Wavelength Service delivers high-capacity, low-latency, and secure point-to-point networking across Greater London, with options up to 400 Gb/s. Leveraging our ROADM-enabled optical network, our services provide scalable, transparent connectivity to leading data centres and global submarine cable systems.”



Emma Wang

Global Product Manager
Epsilon

Benefits



Rapid Connectivity

Instantly access London data centres with high-performance, low-latency links for critical workloads



Flexible Options

Select protected or unprotected routes to meet your resilience and availability requirements



Guaranteed Performance

Low latency, low jitter, and guaranteed throughput provide reliable, predictable network performance



Scalable Bandwidth

Easily increase capacity as your network grows, ensuring your infrastructure remains future-ready



Simplified Operations

Monitor, manage, and report on your connections through our intuitive portal and API



Cost-efficient Architecture

Optimised point-to-point design ensures reliable performance while keeping costs predictable

Why Choose Us?

Unparalleled Global Reach

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

Network Experts

We are continually innovating and optimising our connectivity services, including wavelength, to deliver the best solutions

Built for Speed

Our web portal and API-enabled platform enable you to connect wavelength 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 peace of mind with no hidden costs

Robust Network Backbone

Ensure secure, resilient and high-speed point-to-point connectivity with fully transparency for wavelength service end-to-end

A Secure Environment

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

Technical Specifications

Throughput	Full
Latency	Ultra low latency, metro optimised routes
Transparency	Full end-to-end transmission
Topology	Point-to-Point
Optical Network	ROADM-enabled DWDM
Protection Options	Unprotected, Network Protected, Client Protected
Availability SLA	Commercial guarantee at 100%

Client Interface and Optical Specifications

Client Interfaces	400GbE, 100GbE, OTU 4, 40GbE, 10GbE, OTU 2 / OTU 2e, 8G / 10G / 16G Fibre Channel, OC 192 / STM 64
Line Transmission Protocol	DP-QPSK, 16QAM
Operating Bandwidth Range	191.25 – 196.125 THz
Channel Spacing	50GHz, 100GHz, Flexgrid
Fibre Type	Single Mode
Topology	Point-to-Point
Optical Switching	ROADM
Protection	Protected and Unprotected

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