



## Inter-Data Centre connection

*Providing Ethernet and Dark Fibre between key Dublin datacentres*

### Definition

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Data Centers house computing and storage resources for applications, data, and content and access to that data is a critical challenge. Data Centers need to talk to each other to facilitate the delivery of big data, ultra-high-definition video, Internet of Things applications and the expanding universe of cloud-based applications.

The greater Dublin metro area accommodates many of the Top Tier datacentres and Enet has a presence at many of them. Enet's Inter-Data Center Connection product (IDCC) enables connections between our collocated Dublin data centers. The following products are available for IDCC:

- Managed Ethernet service
- Dark Fibre access

### Product Description

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Inter-Data Center Connection via Dark Fibre enables connectivity between multiple data centers on Enet's Dublin Metro Ring. Dark Fibre connection is available as follows:

- Single Fibre strand, Fibre pair or pairs
- Standardised Pricing between datacentres
- Fibre is provided subject to availability on a case-by-case basis

Inter-Data Center connection via Managed Ethernet provides 100% CIR service at a standard price, delivered on a point-to-point fibre. The main features include:

- **Bandwidths:** Symmetric with options from 100Mb to 1Gb
- **Class of Service:** Circuit based 100% CIR
- **SLA target** of 99.9% Network Availability with Time-to-Repair of eight hours
- Delivered on a **single** fibre

### Service Delivery

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**Dark Fibre Connectivity** – Dark Fibre is delivered on a point-to-point unlit fibre with standard termination on SC connectors with the option to use Customer requested connectors (e.g. APC to minimise reflectance).

Fibre is subject to availability on a case-by-case basis. Where no fibre is available, Enet will try to ensure service on the requested route through installation of new Enet Dark Fibre or use of 3rd party fibre. Enet will advise the Carrier of any additional charges for such alternatives at the time of request.

**Managed Ethernet Connectivity**- This is delivered to the chosen datacentre Meet Me Rooms exclusively on an On-Net

This document is for illustrative purposes only, detailed specifications will be agreed at the time of purchase.

point-to-point single fibre.

## Service Delivery

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Enet's Technical Pre-Sales team will work with the Carrier to design a solution to suit the End-User requirements. Service is offered using Enet's extensive Dublin DataCentre fibre and service connectivity.

On request, Enet can organize and provide the cross connects from the MMRs and provide dedicated NTUs if required. Please note that these costs will be variable and are additional to the IDDC quoted price.

## Enet Responsibilities

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For Dark Fibre, Enet is responsible for:

- Provisioning Dark Fibre from the A-End to B-End Datacentres
- The operation and maintenance of the Dark Fibre Product
- Quality Checks using ILM and ODTR tests

For Managed Ethernet, Enet is responsible for:

- Presenting the service at the relevant A-end and B-end Data Centre MMRs
- Operation and maintenance of the Ethernet service
- Assigning the requested bandwidth(s)

## Customer Responsibilities

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For Dark Fibre, the Carrier is responsible for ensuring:

- Connection and termination of the Dark Fibre to the Carrier or End-User's equipment
- Immediately reporting any faults to the NOC, as this is a passive product and not actively monitored
- Dark Fibre is for Carrier's own use and not for selling or sub-letting to third parties

For Managed Ethernet the Carrier is responsible for:

- Organising the Cross Connect at the Data Centre MMR to meet the Enet service
- Shaping the traffic in line with the purchased traffic profile
- The operation and maintenance of the services purchased by the End-User

## Glossary

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- MAN Metropolitan Area Network
- IDDC Inter Data Centre Connect
- MMR Meet Me Room

## Further Information

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### Quotations

A quotation for service can be provided by Enet's ESQT On-Line Quotation System or if submitted by email, to [quoterequests@Enet.ie](mailto:quoterequests@Enet.ie)

### Ordering and Provisioning

Ordering can be done on the ESQT or via the Enet Sales Support Team

For further details contact your Enet Account Manager or contact us at:

Email: [salesupportteam@Enet.ie](mailto:salesupportteam@Enet.ie)

Telephone: + 353 (0)61 274000

Webpage: [www.Enet.ie](http://www.Enet.ie)

### Datacentres currently in scope

3 Ireland Ballycoolin	HP Sandyford
BT-DC Citywest	IBM Damastown
Digital Realty 1	InterXion Dub 1
Digital Realty 2/Servecentric	InterXion Dub 2
Eircom Citywest	InterXion Dub 3
Eircom Clonshaugh	Kepple KDCR1
Equinix DB1	Kepple KDCR2
Equinix DB2	Verizon Clonshaugh
Equinix DB3	Verizon Erne St
Equinix DB4	Vodafone/ C&W Clonshaugh
GTT Clonshaugh	