

Fibre To The Home (FTTH) National Access

A gigabit speed Ethernet product used to cost-effectively serve lightning-fast connectivity to homes across our entire Full Fibre Network.

FTTH National Access allows you to handover nationally at one or more points of interconnect. As an alternative to Local Access, it offers a fast, simple way to serve homes across our whole footprint. Avoiding the need to invest in local presence across each fibre exchange area.

Market opportunity

With agile working here to stay and smart home technology adoption ever-growing, there is rising pressure on residential copper-based connectivity technologies. Our National Access product enables this demand to be served more cost-effectively, while significantly reducing barriers to consumer market entry. This makes it ideal for:

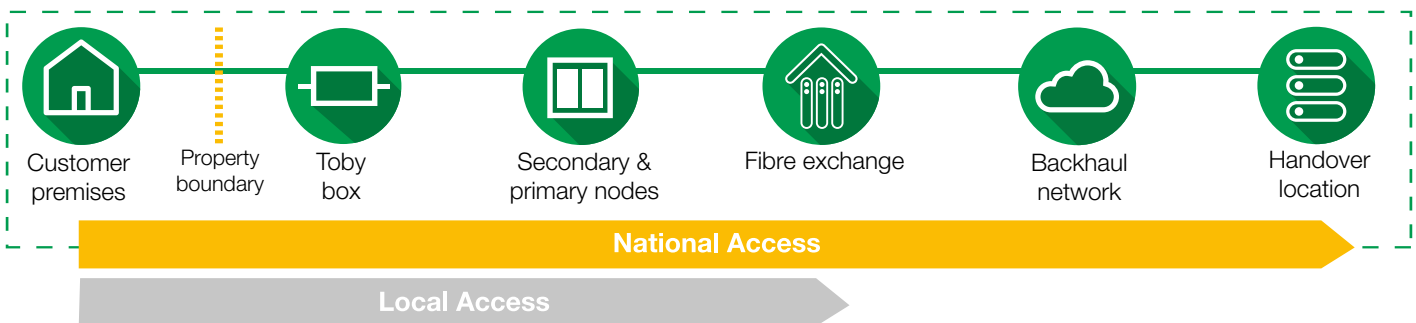
- Larger scale national ISPs seeking to accelerate national coverage
- Smaller ISPs seeking to expand beyond their core local markets
- 'Network light' ISPs familiar with consuming wholesale services on a National Access basis

Key Benefits

- Symmetrical, Full Fibre service enabling bandwidth services up to 1Gbps
- Fastest and simplest way to access a network that will serve 8 million homes by 2025
- Highly reliable, future proof digital infrastructure
- No need to own, build or manage a national network
- Simple, pay as you grow pricing model
- Test new regions quickly with low risk and minimal upfront Capex investment
- Comprehensive SLAs
- Easy onboarding with a full API suite for system automation

How it works

A highly resilient, National Access service delivered across our distribution, core and backhaul networks from the ONT at the customer premise to the national handover point.



Features

Use our true Full Fibre optical network to deliver superior speeds, greater reliability, future scalability and improved customer experience in comparison to copper and hybrid copper/fibre networks.

Bandwidth	~1Gbps symmetrical service
Specification	Layer 2 Ethernet over PON, Non-transparent PPPoE
Split ratio	Shared 1:32
Line profiles	Standard CityFibre profiles or ISP own line profiles
Unlimited use	Yes, unlimited use with no contracted bandwidth
Installation	Standard install in 6 working days, Monday to Friday
Fault reporting / technical support	24/7/365 UK based support
Repair SLA	End of next working day / 8 hour (ENNI)

What handover locations are available?

Layer 2 national access to our network is provided via interconnecting at one or more CityFibre Fibre Exchanges or third-party data centres. Once connected to the full fibre national network traffic is routed back to the nearest POP where you have an ENNI presence.

National handover is currently available at the following locations, with additional options to follow:

- ✓ **London: Telehouse London**
- ✓ **Slough: Equinix LD5**
- ✓ **Edinburgh: CityFibre FEx**
- ✓ **Leeds: CityFibre FEx**
- ✓ **Manchester: M247**



Technical overview

Ethernet	Interfaces	ENNI	VLAN	Handover options
<ul style="list-style-type: none">Ethernet II or 802.3802.1q tagged interface with VLAN id 0 or 911	<p>ONT supports: 1xUNI</p> <p>Per UNI: 100/1000Base-T</p>	<ul style="list-style-type: none">Ethernet: 802.1ad VLANENNI MTU size: 9126 bytes	<ul style="list-style-type: none">CE-VLAN ID for all customer frames: VLAN 0 (default), VLAN 911UNI MTU size: 1900 bytes	<p>An ODF or Meet-Me area within specified Third Party Data Centre</p> <p>An ODF within a colocation rack in specific CityFibre FEx or interconnect chamber external to the FEx</p>

Simple, competitive commercial model



Minimal set-up costs

Our pay as you grow business model significantly reduces barriers to consumer market entry. Pricing for access to our National network is inclusive of a small initial interconnect fee



No extra costs

Benefit from the certainty of an all-inclusive, single fee, monthly payment model with no extra costs for contracted bandwidth or interconnect charges



Attractive monthly rental

Highly competitive monthly rental for a 1Gbps symmetrical service – lower than any UK competing National network provider of our scale



Flexible hybrid model

Optimise your cost base with a deployment approach that works for you. Use National Access for all of your broadband needs or just to reach cities where you do not have a local network

www.cityfibre.com

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