

# BUSINESS FTTP 160 NATIONAL ACCESS



Built with small businesses and home workers in mind who need more from their connectivity. Our symmetrical service is delivered over pure fibre, providing lightning fast connectivity via national interconnects.

Business FTTP 160 is perfect for smaller businesses that need the superior connectivity experience full fibre provides without over purchasing bandwidth. Ideal for your customers who need a cost-effective service to transition from FTTC but don't quite need the power of our 1Gbps service.

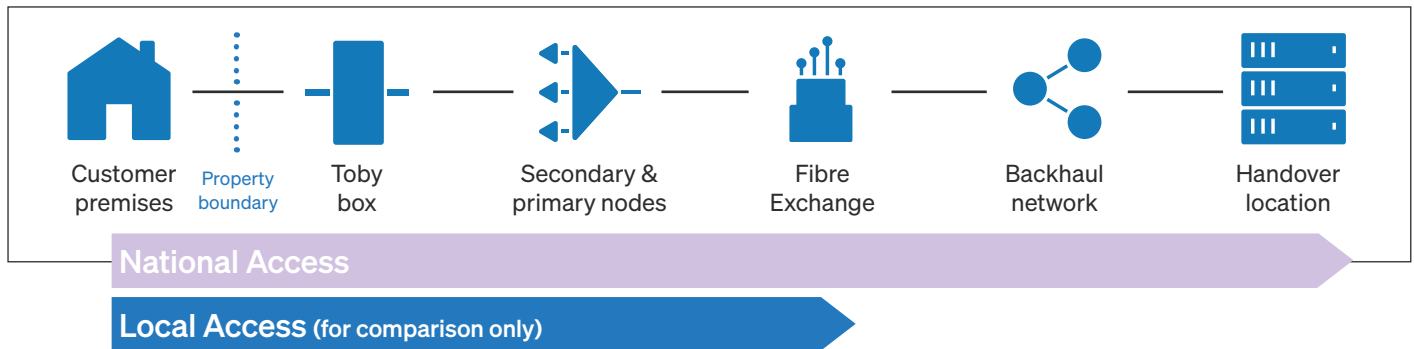
## THE OPPORTUNITY

Businesses of all sizes are changing the way they work. And this change has a knock-on effect to the way they use bandwidth. From cloud-based services to guest WiFi, we are seeing a rise in demand for both bandwidth and always-on, stable, resilient and future-proof connectivity. Our Business FTTP 160 National Access service enables you to meet your customers' ongoing needs. 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

## HOW OUR ACCESS OPTIONS WORK

Local Access and National Access were created so that ISPs with different needs and geographic footprints could still access our Full Fibre network. National Access is delivered across our distribution, core and backhaul networks from the ONT at the customer premises to the national handover point.



## KEY BENEFITS

- 01** Full Fibre, symmetrical 160Mbps connection
- 02** Fastest and simplest way to access our entire network
- 03** Available across our modern, purpose-built network
- 04** No need to own, build or manage a national network
- 05** Simple, pay-as-you-grow pricing model
- 06** Test new regions quickly with low risk and minimal upfront Capex investment
- 07** Comprehensive SLAs
- 08** Easy onboarding with a full API suite for system automation

## FIBRE FEATURES

Using a Full Fibre optical network means you can provide superior speeds, greater reliability, future scalability and improved customer experience in comparison to copper and hybrid copper/fibre alternatives.

<b>Bandwidth</b>	Up to 160Mbps symmetrical service PIR, CIR 10Mbps down 10Mbps up
<b>Protocols</b>	Layer 2 Ethernet over PON. PPPoE/DHCP.
<b>Availability</b>	All properties available for sale on our FFN footprint
<b>Usage</b>	Unlimited
<b>Installation</b>	20 working days, Monday to Friday (exc. weekends and bank holidays)
<b>Customer demarcation</b>	Ethernet port on the supplied Optical Network Terminal (ONT)
<b>Partner demarcation</b>	E-NNI (Double-tagged)
<b>Fault reporting / technical support</b>	24/7/365 for fault reporting with second-line support as contract
<b>Repair SLA</b>	End of next working day

## WHERE CAN WE HANDOVER?

Layer 2 National Access to our network is provided by interconnecting at one or more CityFibre Fibre Exchanges or third-party data centres. Once connected, traffic is taken back to the nearest POP where you have an ENNI presence.

National handover is currently available here:

With more locations coming soon.



## TECHNICAL OVERVIEW

ETHERNET	INTERFACES	ENNI	VLAN	HANDOVER OPTIONS
<ul style="list-style-type: none"> <li>Ethernet II or 802.3</li> <li>802.1q tagged interface with VLAN id 0 or 911</li> </ul>	ONT supports: 1xUNI Per UNI: 100/1000Base-T	<ul style="list-style-type: none"> <li>Ethernet: 802.1ad VLAN</li> <li>ENNI MTU size: 9126 bytes</li> </ul>	<ul style="list-style-type: none"> <li>CE-VLAN ID for all customer frames: VLAN 0 (default), VLAN 911</li> <li>UNI MTU size: 1900 bytes</li> </ul>	An ODF or Meet-Me area within specified third-party data centre  An ODF within a colocation rack in specific CityFibre FEx or interconnect chamber external to the FEx

## WHY TAKE NATIONAL ACCESS BUSINESS 160MBPS SERVICE FROM CITYFIBRE?



### We promise guaranteed, symmetrical bandwidth

Guaranteed symmetrical service giving you the ability to provide the best online experience possible, any time of day including cabling and splicing requirements



### Attractive benefits

Accelerate the shift from copper to Full Fibre with our highly competitive charges and incentives



### Better service experience

We're committed to excellent service all the way from installation to repair. It's backed by our reliable, high performing network and market-leading service level guarantees



### Support that's always there

Whether it's the start of your Full Fibre journey or you are continuing to expand, CityFibre will aim to provide consistent support throughout



### Access model options

Make the most of your network assets. Use Local Access in cities where you have or plan to have local network presence, and National Access to fill network gaps or secure nationwide presence



### Future-proof

A modern network with ring-based architecture, with a well-planned approach to city-wide deployment means our Full Fibre service is built to meet your needs today and for years to come

[www.cityfibre.com](http://www.cityfibre.com)

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