



# Daisy Wholesale Broadband

## World class connectivity

### Daisy Wholesale FTTC Fibre to the Cabinet



#### Overview of the FTTC Service

The BT 21st Century Network (21CN) is designed to provide an enhanced broadband experience in comparison to that which was previously available with BT and LLU operator SMPF (single metallic path) services. Part of the 21CN rollout is a service known as Fibre To The Cabinet (FTTC). Delivered across BT's Next Generation Network this service offers connectivity based on VDSL2 technology, providing higher line rates of up to 40Mbit/s downstream and a choice of either 2Mbit/s or 10Mbit/s upstream. This is achieved by running fibre to the local BT street cabinet where the MSAN (Multi-service access node) is located. Placing the MSAN into the street cabinet which is connected by fibre to the BT 21NC exchange, as apposed to delivering a broadband service over copper from the local premise to the exchange means the service is not as susceptible to the bandwidth "slow down" created by the noise from copper running over longer distances.

#### What speeds are possible?

The actual rates that can be supported on any individual line are influenced by two main factors; the distance of the copper connection from the customer's premises to the street cabinet and the number of customers signed-up and using the common bandwidth delivered over the fibre connectivity running from the cabinet back to the exchange. The service is designed to deliver up to 40Mbit/s downstream and up to 2Mbit/s or 10Mbit/s upstream depending on the service option selected. This provides considerably more bandwidth than traditional IP Stream or LLU connectivity and is ideal for bandwidth hungry applications such as Voice over IP, video conferencing and cloud based applications enabling you to provide truly converged solutions to your customers

#### Coverage

The national coverage and availability of FTTC is on the increase, however whilst exchanges may be enabled unlike other broadband services there is a dependency on the street cabinet that serves the premise being FTTC ready. The availability checker incorporated within XPS will only return FTTC enabled premises when a CLI is input. BT is enabling more exchanges for FTTC with plans to reach 10 million premises by summer 2012. Where premises are served directly by the local exchange as apposed to via a cabinet, BT are currently trialling an alternative service known as Fibre To The Premise (FTTP) which will provide speeds of up to 100Mbit/s download. FTTP will available to 2.5 million homes by Summer 2012.

### The Benefits

Take advantage of the next generation of broadband connectivity and offer your customers leading high speed services on the Daisy Wholesale network.

- ✓ The foundation for new application solutions
- ✓ Improved speeds of up to 40Mbit/s download
- ✓ Up to 10Mbit/s upload speeds
- ✓ Available in over 102 exchanges
- ✓ Coverage up to 10 million premises by Summer 2012
- ✓ 100% network availability

The Daisy Wholesale FTTC solution also enables you to support:

- ✓ Video Conferencing
- ✓ Cloud Computing
- ✓ VoIP applications
- ✓ Faster system backup
- ✓ More effective remote working



helping your business *grow*

For more information on how Daisy Wholesale can help

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