



Daisy Wholesale Broadband

World class connectivity

Daisy Wholesale and 21CN Next Generation Networks

Introduction

Daisy Wholesale has enhanced its position as the channel's choice for wholesale connectivity services by integrating with BT to provide connectivity via 21CN. Next Generation Networks are designed to provide you with more choice, better reliability and a simpler portfolio of new, customer driven services.

21CN is the name given to BT's 21st Century IP based network programme that enables ISPs and their customers to embrace converged applications and feed the growing demand for higher bandwidth to deliver interactive services. 21CN allows our partners to capitalise on new opportunities presented in a rapidly evolving market. In recent years the appetite for broadband based communications services has grown dramatically and by working closely with BT, Daisy Wholesale will continue to lead the way in providing the latest technology and innovative solutions to its partners.

If your end users are served by a 21CN enabled local exchange, Daisy Wholesale can provide you with the latest 21CN products via your existing XPS portal. Should your customer not be in a 21CN enabled area, Daisy Wholesale can still help. We can provide you with "IP Stream Connect", a service which uses traditional DSLAM exchange equipment over the 21CN backhaul network. This service is a direct replacement for our existing IP Stream product portfolio.

Making this change will involve the broadband service being re-connected from the old legacy hardware to the newly enabled 21CN equipment in the exchange.

BT Wholesale provide the equipment in the local exchange (known as the MSAN – Multi-Service Access Node) and also the backhaul network infrastructure which transports the data from the local exchange across the BT "21CN" network and then finally terminating in the Daisy Wholesale network in Docklands.

BT ADSL is provided in 2 variants dependant on whether or not an end users local exchange has been upgraded to provide the latest technology products.

If a local exchange has not been enabled for 21CN products, services are delivered over BT's older 20CN Network. These services deliver rate adaptive speeds of up to 8Mbit/s downstream and either 448Kbit/s or 832Kbit/s (standard or premium) upstream. Although being a replica of a legacy product set, they are actually delivered over the 21CN infrastructure, thus are perfectly positioned for 'upgrade' to the new, higher speed products as soon as the local exchange is 21CN enabled. These services are known as ADSL 1.

If the local exchange has been enabled to deliver 21CN products, then Daisy Wholesale can provide ADSL services up to 20Mbit/s downstream and 1.3Mbit/s upstream in standard and premium options. Standard delivers up to 448Kbit/s upload and Premium delivers up to 1.3Mbit/s via the upstream. Similar to the download speed, the upstream performance is rate adaptive, which means the actual speed a site can receive is dependant on the distance from the exchange and the quality of the copper pair going to that local exchange. The further from the exchange or the noisier the line, the slower speed a customer may receive. These services are known as ADSL2+ services.

Fibre to the cabinet (FTTC) is a new product available on the 21CN network using VDSL Technology (rather than ADSL 1 and ADSL 2+). This provides a higher line rate of up to 40Mbit/s downstream and optionally up to 10Mbit/s upstream.

Please contact your account manager for more information on any of the above 21CN products and find out more about how they can benefit your business.

The Benefits

- ✓ High speed
- ✓ Speedy and stable
- ✓ Quality of service
- ✓ Line Diagnostics
- ✓ Faster, simple ordering systems
- ✓ Control, choice and flexibility



helping your business **grow**

For more information on how Daisy Wholesale can help

Call: **0808 178 4555**

sales@daisywholesale.com | www.daisywholesale.com