Megalink

Megalink is a dedicated digital service with a transmission rate of 2Mbps, linking two end-user sites. It is more commonly used for smarthaul, voice orientated applications.

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Megalink offers a high-capacity digital transmission link for use when a high concentration of voice and/or data traffic occurs between two end-user sites. Megalink provides a dedicated (non-switched) 'pipe' with high bandwidth capacity of 2.048 Mbit/s for carrying up to 30 voice or 30 x 64 Kbit/s data channels (or any combination of lower speed channels where the total capacity adds up to 2.048 Mbit/s or less).

Megalink can be used to provide:

- **bulk tie lines • between digital Private Automation Branch Exchanges (PABXs);**
- **high capacity links between privately owned multiplexers;**
- **Local Area Network (LAN) extensions;**
- **connecting mainframes to high speed terminals.**

Megalink is more suited for end-users who:

- **have large private voice and/ or data networks;**
- **have multiple large sites or offices in one local area (CBD);**
- **have one large main site and one or more satellite offices in the same area;**
- **have high voice, data or video traffic between two sites in the same local area.**

Megalink is most commonly used for:

- **Feature Transparent PABX linking;**
- **remote extension of PABXs or LANs;**
- **building private networks;**
- **network consolidation;**
- **diversity.**

Benefits

The benefits to service providers include:

- **2Mbps point-to-point transmission** across town;
- **unstructured bandwidth** which can be configured to meet end-user requirements;
- **high capacity** linking of privately owned multiplexers;
- **flexibility** – when combined with appropriate Customer Premises Equipment (CPE), Megalink can be configured to meet many requirements;
- **security** – private point-to-point links cannot be accessed externally;
- **fixed charge** – no surprises because of fixed rentals based on distance.

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How it works

The end-user's router directs LAN traffic to the remote site over the 2Mbit/s Megalink circuit. At the remote site, the second router then directs this traffic to each of the appropriate remote PCs or terminals (as well as directing return traffic back to the LAN).

Availability

Megalink is widely available throughout New Zealand.

Requirements

Although most large end-user sites are likely to already have 2 Mbit/s access, some accesses may be fully utilised and others may require new cabling and associated equipment to be installed.

For more information contact your Telecom Wholesale account manager or see www.telecomwholesale.co.nz to find out more about becoming a customer.

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