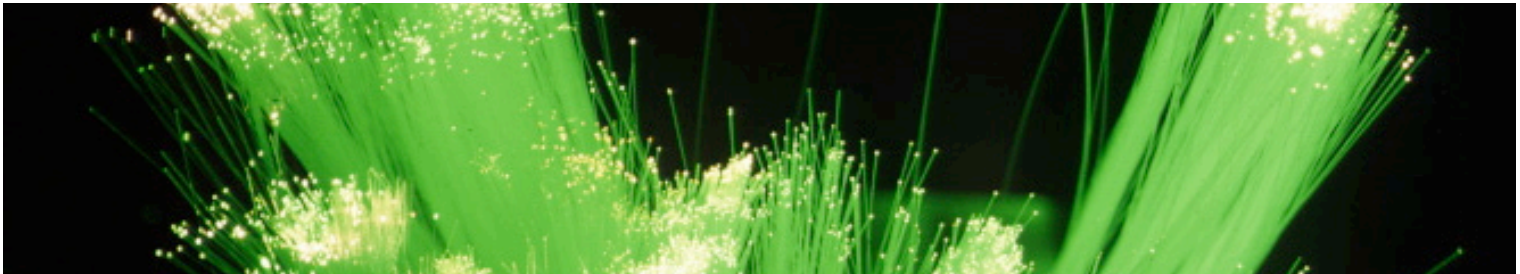


# PrivateLAN

Ethernet Private LAN Service



CityLink's PrivateLAN VLAN service connects your offices together in the CBD with a Ethernet Private LAN (EP-LAN). High-speed Ethernet is ubiquitous in the local office environment, but often when linking two or more offices a low speed circuit is used. With PrivateLAN we'll connect your offices at LAN speeds with familiar LAN technology running over our fibre optic network to give you unparalleled performance. Our PrivateLAN service literally "plugs" your office LANs together without compromising on performance.



## PrivateLAN Features and Benefits:

- **Simple Ethernet Interface**  
PrivateLAN connections provide a virtual Ethernet LAN between two or more sites. All you need to do is plug your networks into the Ethernet jacks we provide and your LANs are connected together.
- **Reliable LAN Speeds Across the CBD**  
PrivateLAN connections link your offices at 30, 100, 300, 1000 or 3000Mbps delivered over high performance fibre optics directly to your premises. If you need more bandwidth it is easy to upgrade your connections.
- **Connect Multiple Sites**  
PrivateLAN connections can be used to connect LANs together in a point-to-point or point-to-multipoint configuration.
- **Set Up Your Own Q-in-Q CE-VLANs**  
PrivateLAN supports CE-VLAN tagging ( Q-in-Q VLAN tunneling). This enables you the flexibility to set up multiple VLANs between your PrivateLAN Connections.
- **Intercity Linking Options**  
There are options available for intercity linking with our CityBRIDGE VLAN service.
- **Carrier Grade Ethernet**  
CityLink's core network equipment and our PublicLAN service are built on international standards developed by the Metro Ethernet Forum (MEF). The MEF develops Carrier Ethernet technical specifications and implementation agreements to promote interoperability and deployment of Carrier Ethernet worldwide.

<b>Service Levels:</b>	
<i>Target Availability</i>	99.95%
<i>Frame Delay</i>	<2ms
<i>Frame Jitter (at 1Gbps)</i>	<1ms
<i>Frame Loss (at 1Gbps)</i>	<0.05%
<i>SLA Monitoring</i>	Future Service
<i>Proactive Service Maintenance</i>	Future Service
<i>Access Protection</i>	Optional <sup>1</sup>
<i>SLA Non-performance Penalties</i>	Optional with Access protection
<i>Service Support</i>	24 hrs x 7 days
<i>On-site Service Restoration</i>	24 hrs x 7 days
<i>Frame Throughput at Access</i>	dedicate 1Gbps to core switch

<b>UNI Attributes:</b>	
<i>Circuit Type</i>	IEEE 802.3 physical interface
<i>Circuit Delivery</i>	Fibre to the customer premise
<i>UNI Interface Speed</i>	1Gbps or 10Gbps(Full duplex)
<i>UNI Physical Interface</i>	RJ45 on service demarcation device
<i>UNI MTU Size</i>	Up to 9000 Bytes
<i>Service Multiplexing</i>	No
<i>All to one bundling</i>	Yes
<i>EVC Type</i>	Multipoint to Multipoint
<i>Ingress bandwidth per EVC</i>	CIR=PIR 30, 100, 300, 1000, 3000 Mbps

<b>EVC Attributes:</b>	
<i>CE-VLAN Preservation (QinQ)</i>	Yes
<i>CE-VLAN limit</i>	4095
<i>CE-VLAN QoS preservation</i>	Yes
<i>CE-connected device</i>	Layer 2+ device
<i>MAC Layer</i>	IEEE 802.3
<i>MAC address limit</i>	50 per port

Note 1: Call CityLink to find out more about these optional services.

### **About CityLink:**

CityLink is a leading supplier of Serious Broadband networking in the Auckland and Wellington CBDs. We have been connecting businesses since 1995.

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