

Welcome to the CityLink LightZone
Transform your network



Opta

Cost Effective E-LAN Data Access Service

Opta offers one of the market's more cost effective networking options which is fit for many purposes. Opta is available in Data and VLAN Port E-LAN options, giving you the flexibility to structure your networks as suits your services and customers. Opta provides a unique combination of price, performance and service which enables you to deliver fit for purpose services at a very competitive price point.



Opta Features and Benefits

High speed access

Like all LightZone services, Opta bandwidth is symmetrical, meaning that upstream and downstream bandwidth is delivered at full circuit speed.

Proven technology

Opta uses Ethernet to deliver market-leading data access rates to your business. Ethernet is an established technology with proven plug-and-play capability and works well with commonly available, industry standard equipment.

Flexible Delivery

Opta services connect to your service provider head end through an E-LAN architecture. You can segregate your customers or create WANs by choosing from a range of port options which allow you to run a flat network or a network with multiple Virtual LANs (VLANs).

Cost-effective connectivity

Opta is delivered using a network of switches located in the basement of your building, and then via Ethernet over copper cable to your floor. This cost-effective delivery method provides circuit speeds of up to 100Mbps at a target availability of 99.5%

Assured service

Opta provides dependable network delivery and direct access to skilled technical support engineers with 24 x 7 support, and business hours service restoration, ensuring high levels of network resiliency and service availability.

Opta Product Specifications

	Opta Data Port	Opta VLAN Port
Ethernet Virtual Connection (EVC) Attributes		
EVC Type	multipoint-to-multipoint	
CE-VLAN ID Preservation	No	Yes
CE-VLAN Limit	n/a	4095
CE-VLAN CoS preservation	Yes	
Unicast frame delivery	Yes	
Multicast frame delivery	Yes (limited to 200kbps/0.1% of speed)	
Broadcast frame delivery	Yes (limited to 200kbps/0.1% of speed)	
UNI Performance Parameters		
Speed (Mbps)	5, 10, 50, 100	
Target Availability	99.5%	
Frame Delay	< 20ms	
Frame Jitter	< 10ms	
Frame Loss	< 0.1%	
Service Support	24 hours x 7 days	
Service Restoration	8 hours x 5 days	
UNI Physical Interface		
UNI Physical Medium	100BaseT, 1000BaseT	
UNI Interface Speed	100 Mbps, 1 Gbps	
MAC address limit	1, 50	50
Maximum UNI MTU Size	1522 bytes	
UNI Duplex Mode	Auto	
MAC Layer	IEEE 802.3	
Service Multiplexing	No	
All to one bundling	No	

CityLink and the LightZone

CityLink, part of the TeamTalk group of companies, is a leading supplier of high performance broadband solutions throughout New Zealand. We have been transforming broadband and business since 1995. The LightZone is CityLink's pioneering metropolitan ultra-fast fibre network. It offers Retail Service Providers a flexible ecosystem of network components which enables services to be delivered to your customers. LightZone services are unbundled and designed to offer maximum flexibility, so that you can select the components you need in order to connect your customers and differentiate your services.



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LIGHT ZONE