MANAGED WAN • LAYER 2 ETHERNET & IP VPN (MPLS)

Vorco Managed WAN

A private network that connects all your sites together. Carry voice, data, video and replication traffic across Vorco's MPLS backbone, isolated from the public internet.

BANDWIDTH FROM	BANDWIDTH TO	STANDARD MTU	JUMBO MTU UP TO
10 Mbps	**10** Gbps	**1500** bytes	**9000** bytes

KEY FEATURES

Layer 2 & Layer 3

Point-to-point or point-to-multipoint Ethernet, or fully routed IP VPN.

Coverage

National coverage via LFCs including Chorus, Vector Fibre and Vital.
International coverage via partners.

MPLS Backbone

Traffic carried across Vorco's MPLS core, kept private and off the public internet.

Multi-class QoS

Multi-class services available with 802.1p.

Jumbo Frames

MTU up to 9000 bytes for storage replication and overlay technologies.

High Availability

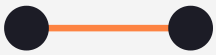
Options for diverse last-mile connectivity to multiple Vorco POPs.

IDEAL FOR

- Multi-site retail, hospitality, and franchise chains needing a single private network
- Organisations consolidating branch offices onto one converged voice and data network
- Linking head office, branch sites, and data-centre presences without exposing traffic to the internet
- Storage replication, off-site backup, and big-data workloads between sites
- A managed private network in its own right, or the underlay beneath an SD-WAN overlay
- Broadcast TV delivery of contribution feeds to studios

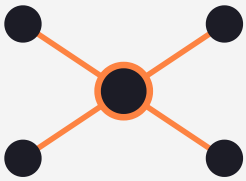
NETWORK TOPOLOGIES

Your WAN is designed per customer. Start with a simple site-to-site link and grow into a centralised hub-and-spoke chain or an any-to-any mesh.



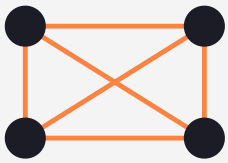
Point-to-Point

Layer 2 Ethernet or Layer 3 IP between two sites. Direct, private, low-latency transport.



Hub & Spoke

Sites connect through a centralised hub, enabling firewalling and hosted apps.



Full Mesh

Any-to-any connectivity between every site, suited to voice and real-time traffic.

TECHNICAL SPECIFICATIONS

Service type	Layer 2 Ethernet (E-LINE / E-LAN) or Layer 3 IP VPN (MPLS)
Core network	Vorco MPLS-enabled backbone, isolated from the public internet
Bandwidth	10 Mbps to 10 Gbps per site
Coverage	Available nationwide across New Zealand International sites through partner carriers
MTU	1500 bytes standard, up to 9000 bytes on request
Class of Service	High and low traffic classes to suit critical and non-critical traffic
Routing (Layer 3)	Static IPv4 and IPv6 or BGP4 between customer and Vorco PE router
Resilience	Path-diverse and dual-access options on serviceable routes
CPE	BYO or Vorco-supplied and managed router

ORDERING & INSTALL

Design	Fully managed, designed per customer by Vorco's solutions team
Standard install lead time	Varies by access type per site; 10 to 20 working days typical on intact fibre, longer where new access is built
Install pricing and contract terms	Contact us for a design and quote for your sites.

Talk to a specialist

Our solutions team will map your sites, recommend a topology, and quote the best access path for each location.

0800 4 VORCO • sales@vorco.net

HOW WAN TOPOLOGIES COMPARE

FEATURE	POINT-TO-POINT	HUB & SPOKE	FULL MESH
Connectivity	Two sites	Sites via a hub	Any-to-any
Inter-site path	Direct	Via the hub	Direct, any-to-any
Best for	Site-to-DC links, replication	Retail chains, central apps	Voice and real-time traffic

GLOSSARY

BGP	Border Gateway Protocol, internet routing protocol
CPE	Customer Premises Equipment (router / modem)
E-LAN	Multipoint Ethernet LAN service
E-LINE	Point-to-point Ethernet service
IP VPN	Layer 3 Virtual Private Network over MPLS
Layer 2	Ethernet-level transport
Layer 3	Routed IP transport
MPLS	Multiprotocol Label Switching, the private backbone technology
MTU	Maximum Transmission Unit, the frame size
P2P	Point-to-Point, a direct link between two sites
PE	Provider Edge router on the Vorco network
QoS	Quality of Service, class-based prioritisation
SD-WAN	Software-defined WAN overlay across multiple links
SLA	Service Level Agreement
WAN	Wide Area Network, connecting sites across locations