

Ethernet VPN

Ethernet Virtual Private Network

- Secure closed network
- Easily scalable
- Suitable for multiple applications
- Custom organization network
- Very high bandwidths up to 5 Gb/s
- Symmetrical bandwidths

Guaranteeing optimum access to business applications and data is vitally important for your organization. Eurofiber's Ethernet VPN service enables you to connect your head office, subsidiaries and datacenters in a reliable, secure and flexible manner over a custom private network. This network provides the capabilities you need to ensure the transmission of multiple services, such as internet, telephony and video. And by extending this network to also include your datacenters, you can offer applications and platforms from a secure, centralized facility. You can extend this network simple and direct to the cloud platforms you prefer.

VPN stands for Virtual Private Network: a virtual data network between geographically dispersed locations that is separated from the public internet. Ethernet VPN enables you to create a closed network for connecting your offices and datacenters which is easily expandable and promotes work efficiency.

We always offer you a custom Ethernet VPN solution, in which your network is optimally configured to meet your organization's needs. We also give you advice on the necessary bandwidths between locations, service levels and redundancy. You can connect as many locations as you wish, with the option of additionally linking your datacenters.

Direct cloud access

The additional service Secure Cloud Connect connects your organization directly to your cloud providers through the Ethernet VPN network, keeping the network completely separate from the public internet. This comprehensive solution provides direct access to the platforms you prefer, without requiring you to invest in a cloud exchange.

Redundant configuration

You can connect your head office, subsidiaries and internal or external datacenters in a network via single or redundant connections. The importance of the location determines the type of connection you need. As specialists in this area, we would be pleased to advise you.

Interface (Gb/s)	EVC-bandwidth (Mb/s)
1	10
	20
	50
	100
	200
	500
	900
	1,000
10	2,000
	5,000

Unlimited bandwidth

You can decide how much bandwidth you need for each connection in your network, choosing to configure Ethernet VPN in bandwidths varying from 10 Mb/s to 5 Gb/s. The bandwidth is always symmetrical, meaning that the upload and download speeds are identical. And if you need higher bandwidths, we can also offer you a range of other connectivity services.

Guaranteed bandwidth

You can choose from three different types of Ethernet VPN, with the possibility to combine them as you wish. Your choice will depend on how you intend to use the connection.

Basic – this offers you a standard level of service, for connecting two or more customer locations to enable data transmission and internet access, for example. Ideal if you wish to select your own service providers.

Basic Plus – in addition to the standard level of service, you also have the option of further defining 'subnetworks' within the VPN. This service is ideal for your voice and video services.

Premium – In addition to guaranteed bandwidth and maximum latency, you also have the option of further defining 'sub-networks' within the VPN. This gives you enhanced freedom to configure your network to suit your needs.

Eurofiber is a member of the Metro Ethernet Forum. Our Ethernet service is certified according to MEF 9 and MEF 14 standards.

Ethernet VPN and fiber

To ensure your organization has a network configured for maximum reliability, we always deliver our Ethernet VPN service over our own fiber-optic connections. You can also expand your Ethernet VPN to include our IP VPN and Internet services. See our product leaflets for more information.

Service level

You can rely on 24x7 support from our expert Customer Operations Support department for Eurofiber's Ethernet VPN service.

Ethernet VPN Types: configured per connection			
	Basic	Basic Plus	Premium
VLAN transparent (QinQ)		yes	yes
Frame Delay	Best effort	Best effort	< 10 ms
Frame Delay Variation			< 5 ms
Frame Loss Ratio			< 0.1%
Throughput Guarantee	20%	20%	99.90%
Including Premium Voice EVC (5Mbps)			yes

Contact

For further information about Ethernet VPN, please contact our sales department at +31 (0)30 242 87 00 or via info@eurofiber.com.

