

# VLink Ethernet Services

Service Brochure



**Global IP Network**  
AS 2914

## Seamless Interconnections

If you run a business with high-level interconnectivity needs, chances are you use more than one technology platform for networking purposes. However, having multiple connections running different protocols is suboptimal, and a network with a tiered communication structure can be costly, rigid, and complicated. NTT Communications Global IP Network (GIN) seeks to remedy this with our VLink Ethernet Service and to provide a unified solution for your networking needs.



## VLink Ethernet Service

### Best of Both Worlds

Our VLink Ethernet Service is a virtual data transport service that merges the flexibility and scalability of Layer 3 technology with the dynamic traffic paths and management capabilities of Layer 2. By leveraging our Tier-1 IP backbone, your traffic will receive prioritized buffering and full redundancy with bandwidths from 100 Mbps to 10Gbps. What's more, VLink provides the ability to burst and to run our IP Transit service on the same port.

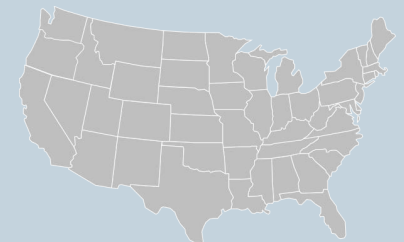
### Available Port Types

In order to support VLink, you must have a GE (Gigabit Ethernet), or 10GE port available on your router or switch to connect to us. Please see the following table for available optic and media types.

Port	Singlemode	Multimode	UTP
Gigabit Ethernet	LX	SX	Supported
Ten Gigabit Ethernet	LR	Not Supported	Not Supported

### Product Specifications

VLink is a Layer 2 Virtual Private Network (L2VPN) solution that utilizes our Multi-Protocol Label Switching (MPLS) based network infrastructure. VLink is a pseudo-wire Ethernet edge-to-edge (PWE3) emulation complying with RFC 4448.



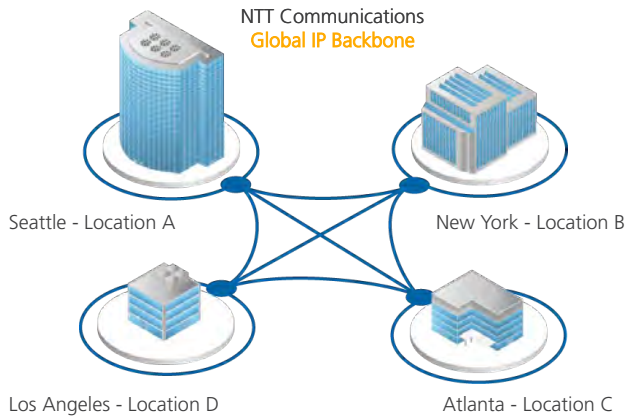
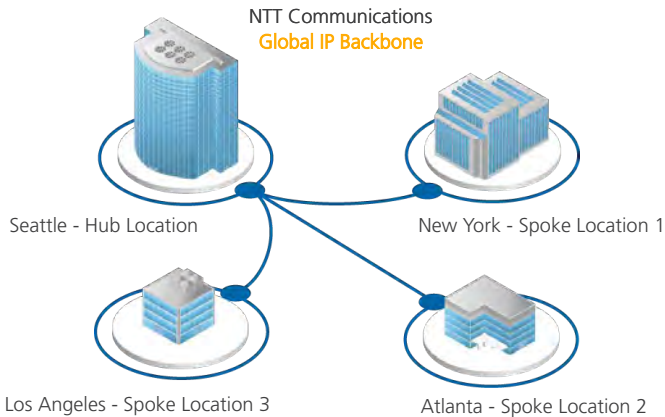
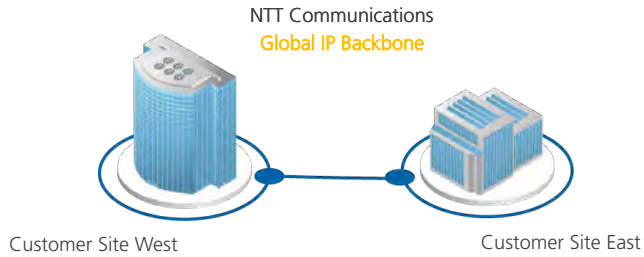
## Availability

Seamlessly scalable to meet your needs, VLink is available between two or more PoP locations on the NTT Communications Global IP Network so you can easily transfer voice, video, and data all over the same link at speeds up to 10Gbps.

- Ashburn
- Atlanta
- Boston
- Chicago
- Dallas
- Dulles
- Houston
- Los Angeles
- Miami
- New York
- Palo Alto
- Reston
- Sacramento
- San Francisco
- San Jose
- Santa Clara
- Seattle



# VLink Architecture Types



## VLink Direct

VLink Direct creates a point-to-point architecture that provides a seamless connection between two locations. By leveraging our network, enterprises are able to create a Wide Area Network (WAN) extending across two locations.

## VLink Plus

With our VLink Plus point-to-multipoint architecture, also referred to as a "Hub and Spoke" configuration, we use our world-class network to connect a primary location to two or more remote locations across our Network. Your connections run at Layer 2, separate from the public Internet. And because your IT staff with Ethernet is familiar connectivity, our point-to-provisioning multipoint solution doesn't involve a learning curve.

## VLink Mesh

Our VLink Mesh multipoint-to-multipoint architecture provides a path to interconnect three or more of your locations across our backbone. Using the Global IP Network backbone gives you reliable connections that put your business on the leading edge while helping keep costs down.

## Features

### Supports Customer Use of

- VLAN stacking & existing VLAN tags
- Jumbo frames
- MPLS tags

### Multiple Layer 3 Protocols

- IPv4 & IPv6
- Any other Layer 3 protocol over Ethernet

### Service Level Agreement

- Availability
- Latency
- Packet loss
- Jitter

### Customer Portal

- Service information
- Usage reporting





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**For more information and updates:**

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