



Verizon Optical Networking

With Verizon Optical Networking service, you can offer your customers site-to-site Ethernet and Storage access via the Verizon network — even if your network doesn't handle native Ethernet or Storage interfaces. The Ethernet-to-SONET mapping option at your or your customer's location makes that possible.

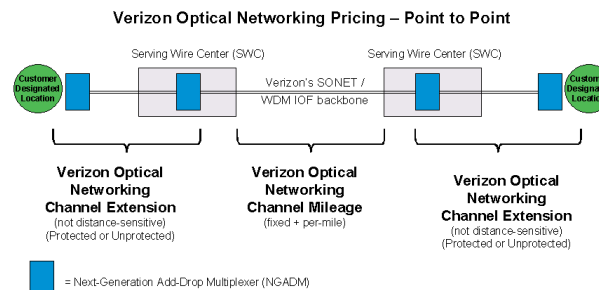
Verizon provides dedicated, point-to-point private line Ethernet or Storage service using Wave Division Multiplexing (WDM) and SONET technologies. Verizon Optical Networking channels support several different protocols and accept electrical and optical customer interfaces. This service can be used for most applications. You or your customers can use this service to:

- Connect two or more Local Area Networks (LANs) to form a Metropolitan Area Network (MAN) or Wide Area Network (WAN)
- Establish secure connections between corporate data centers
- Facilitate Storage Area Networking (SAN) applications where data needs to be replicated to a distant location in real time or near-real time

Reliable data transport

Because Verizon Optical Networking is provisioned as private line service, bandwidth is dedicated. There's no competition for bandwidth with other customers, and you can choose protected or unprotected circuits. Protected circuits are routed over diverse fiber paths in the local loop. If either path fails, traffic is switched almost instantaneously to the other path.

In addition, circuits are monitored 24x7 by Verizon's sophisticated Network Control Center. In most cases, potential problems can be identified and corrective measures taken before they affect service.



Pricing in F.C.C. 11 (North), F.C.C. 1 (South), or F.C.C. 14/16 (West)

Offer point-to-point Ethernet and Storage Private Line data communications at LAN speeds across the Verizon network.

How Verizon Optical Networking works

Verizon Optical Networking uses Verizon's SONET infrastructure. Your or your customer's Ethernet signal is encapsulated in SONET by a next-generation SONET multiplexer, then converted back to native Ethernet at the other end by another SONET multiplexer.

You and your customers hand off to Verizon via standard Ethernet interfaces – an RJ-45 connector for Ethernet and Fast Ethernet speeds (10 Mbps and 100 Mbps); and a standard fiber optic connector for Gigabit Ethernet.

Available transport speeds/protocols are:

- Ethernet 10 Mbps
- Fast Ethernet 50 Mbps
- Fast Ethernet 100 Mbps
- Gigabit Ethernet 50 Mbps
- Gigabit Ethernet 150 Mbps
- Gigabit Ethernet 300 Mbps
- Gigabit Ethernet 450 Mbps
- Gigabit Ethernet 600 Mbps
- Gigabit Ethernet Full Rate
- FICON
- Fibre Channel

Committed to your success

The only way we at Verizon Wholesale can be successful is by committing ourselves, our services, and our network to your success. So that's exactly what we strive to do.

Verizon has proven to be a dependable and reliable wholesale provider of network services. Today, we offer a full set of services including local and access services; domestic long-haul; and international data and voice telecom solutions for service provider customers. Our high quality network includes over 11 million miles of fiber optic cable, over 51 million access lines and over 2,300 end office switches with approximately 7,400 remote office switches. With Verizon, you get the advantage of a national presence that is concentrated in some of the largest markets in the U.S., providing you with an opportunity to reach more customers.

A leader in the industry, Verizon continues to look for opportunities to offer the best service and support to our customers. For example, we've developed a variety of online tools to make it easy to do business with us at your convenience, 24 x 7.

Verizon works hard to build on the strong relationship we develop with you as a customer. This includes working closely with you to understand your business and finding the right solutions to fill your service needs. The Wholesale team is built on experience and knowledge. Our Account Managers and Sales Engineers have extensive expertise in the telecom industry. The knowledge you need from a company you can depend on.

To put Verizon Optical Networking to work for your customers and you

Just contact your Verizon Account Manager or visit www.verizon.com/wholesale today.

Note: Verizon Optical Networking, including specifically the service guarantees described above, are provided subject to certain conditions and restrictions as set forth in the Tariffs. The terms and conditions of Verizon Optical Networking are set forth in full detail in Verizon's FCC Tariffs (Tariffs). This summary of the Tariffs is being provided for your convenience, but is not intended to provide a complete description of the terms and conditions of the Tariffs. You should not rely on this summary, and should conduct your own review and analysis of the Tariffs. Any failure or error by Verizon to fully or accurately set forth all relevant terms and conditions of the Tariffs shall not be deemed to bar Verizon from exercising its rights under the Tariffs. Notwithstanding anything to the contrary herein, the Tariffs shall govern over any inconsistent provision set forth in this document. Verizon Optical Networking is provided where suitable facilities and equipment are available.

www.verizon.com/wholesale

For more information, please call your Account Manager
or 1-888-483-9594; or visit us at our Web site