

Unbundled Dark Fiber Loop and Transport

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Overview (↓)

Unbundled Dark Fiber Loop and Transport (UDF) from Sprint is fiber optic cable currently in the Sprint network that is not connected to the electronic equipment that "lights" it. Available only in select areas, UDF can provide an exceptionally timely response to an immediate market need. To find out if UDF is available for your needs, contact your Sprint Representative for a Dark Fiber Application (DFA) form.

Sprint has years of experience providing solutions for telecommunications. The Sprint fiber network is one of the largest available of any local service provider, providing stability and reliability.

With UDF from Sprint, you may:

- Reduce expenditures by reducing design and build-out of facilities.
- Save time and increase potential revenue by getting to market quickly.
- Enhance your end-user customers' perception of service, thanks to quick provisioning.

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Features & Benefits (↓)

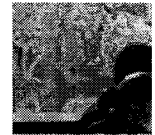
Immediate Availability – means you can utilize the existing fiber optic network and save the added expense of installing new fiber. Plus, this offers more alternatives, whether you are selling to end users or building your own local area network (LAN).

Quick provisioning – saves you the time of designing and installing new fiber, reducing immediate investment and increasing potential revenue. UDF is available fiber between two points on a spare route requested by you. This means it is not included in internal reserve and not planned to be used within the current or next budget cycle.

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A fiber patch panel must be present before provisioning. You will be notified within 10 days if UDF is not available. Collocation, if needed, will follow the normal collocation provisioning timelines.

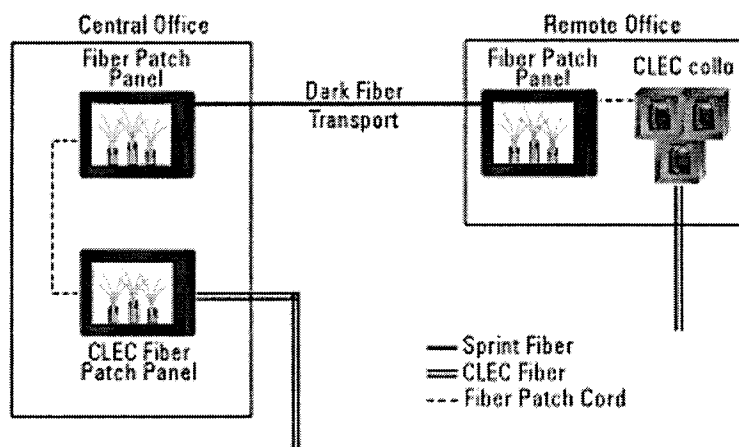
UDF can be provided from:

- Office-to-Office where Competitive Local Exchange Carrier (CLEC) has a Point-of-Interface (POI) in each office. Fiber patch cords will connect a Sprint fiber Patch Panel to the CLEC FPP in each office.
- Office-to-Digital Loop Carrier (DLC) as a loop. Connections will be to CLEC FPP in the Office and at the DLC where CLEC has POI at the office and at the DLC.
- Office-to-CLEC Customer premises FPP.
- DLC-to-CLEC Customer premises FPP.

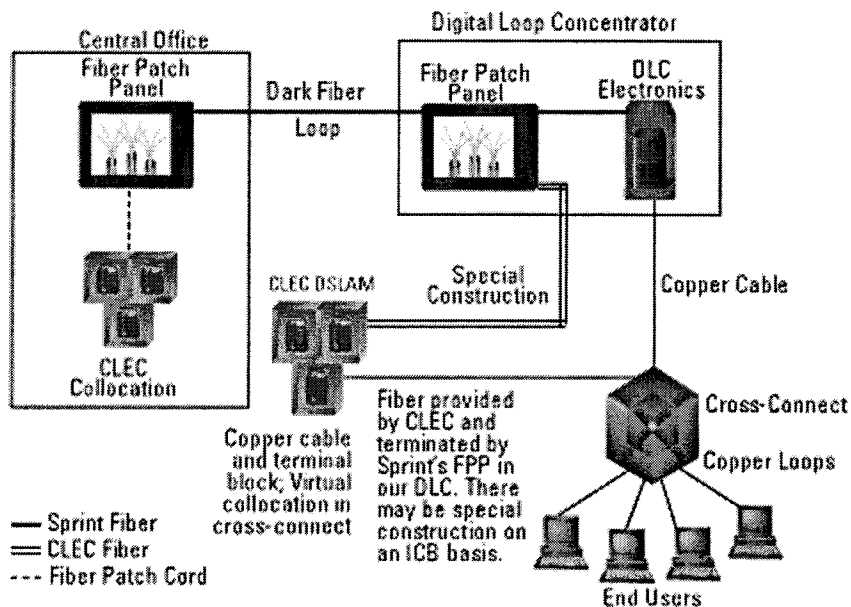
Sprint can also provide fiber cable from a Sprint access point to CLEC facilities, at an additional charge determined on an individual case basis (ICB). Splicing charges if any, would also apply. See your local Sprint Representative to submit an ICB request.

Here is how it works:

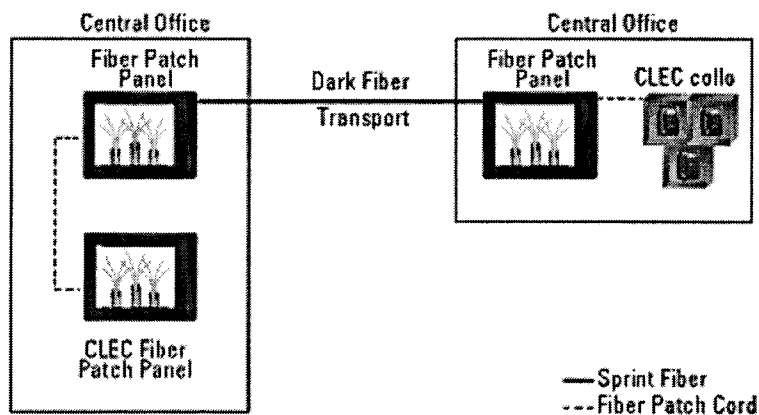
Dark Fiber - Interoffice Transport Configuration



Dark Fiber - Loop/Subloop Configuration



Dark Fiber - Host/Remote Link Configuration



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Business Applications [↕]

- Delivers optical carrier fiber so you can provision new end-user customers or complete an optical network.
- Eliminates the need to procure new fiber, saving the time and added expense of installation.
- Provides quick and flexible provisioning, helping speed time to market and increase business opportunities.

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» Metro/Extended Access

WilTel Communications Metro Access Services (MAS) and Extended Metro Access Services (EMAS) have revolutionized reach into metro markets, delivering increased network reliability, shorter provisioning and troubleshooting times and seamless connectivity to hundreds of cities and thousands of locations nationwide.

Read more:

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How It Works

Metro access services extend our award-winning network into major markets bandwidth locations, enabling on-net connectivity via high-speed private line services.

With our extended metro access services, we transport you to additional market locations within those markets. Our alliances with national and regional access providers allow us to offer you connectivity beyond our network centers (POPs).

Our metro services can be bundled with our suite of network services, including optical wave, ATM, frame relay and IP for a complete WAN solution. Our services can be provisioned as stand alone between two points within any given market as a metropolitan area network (MAN).

Services

WilTel offers DS-1 through OC-48 private line, and OC-48 and OC-192 optical services to fit your growing bandwidth needs in the metro marketplace. Both services provide reliable transportation of your mission-critical traffic.

Applications

Our metro services appeal to carriers, ISPs, ASPs, SSPs, CLECs, enterprise organizations and educational institutions. Anyone moving traffic between high speed locations, such as carrier hotels, ILEC central offices, POPs, neutral colocation server sites and other network access points can benefit from our services.

Metro access is used to:

- Connect servers or other equipment to WilTel' network centers for WAN
- Create MANs connecting key locations within a city
- Provide alternative, back-up or redundant connectivity to primary circuit carriers

Benefits

Some of the benefits of our metro services are:

- **Nationwide Reach** — We provide metro access service to high-bandwidth hundreds of cities throughout in the United States, enabling you to core business, leaving the end-to-end connectivity to us.
- **Fast Provisioning** — Our metro services can be provisioned quickly, alone circuits between access points within a city, or as extensions of haul services.
- **Competitive Pricing** — We offer customers an alternative to traditional providers with our competitively priced metro services.
- **One Provider, One Invoice** — With WITel's metro services you have of-contact for all your end-to-end services and one easy-to-reconcile invoice.
- **24 x 7 Support** — We provide 24 x 7 network monitoring and manage continuous reliability and support.
- **SLAs** — Our industry-leading SLAs enable us to deliver best-in-class service to customers.

Contact Information

Leigh Manlove
Network Sales
+1.918.547.8947 (voice)
+1.775.655.6742 (fax)
[E-mail](#)

Metro/Extended Access



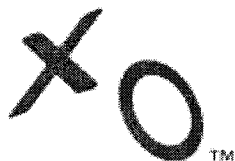
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XO™ Carrier Services



Overview

XO™ is committed to serving the needs of emerging and established carriers and service providers such as:

- Competitive Local Exchange Carrier (CLEC)
- Internet Service Provider (ISP)
- IntereXchange Carrier (IXC)
- Incumbent Local Exchange Carrier (ILEC)
- Building Local Exchange Carrier (BLEC)
- Cable TV Provider
- Wireless Service Provider
- VOIP Service Provider
- Utility Telecom Division

This commitment, combined with our financial strength and vast network, means you can rely on XO to provide the communications solutions you need to stay competitive today... and further down the road.

Everything You Want. Exactly What You Need.™

XO understands that carriers and service providers need more than just bandwidth to satisfy their customers. So along with the generous bandwidth capabilities we offer, our [products and services](#) - coupled with dedicated customer service and technical support - make it possible for you to deliver what your customers need.

With assets that directly compete with those of the largest telecommunications service providers, XO serves carriers and service providers of various sizes. So no matter what your line of business, or product or service requirements, XO can handle a piece of your business... or all of it. We'll design a solution specifically for you, evaluating and delivering exactly what you need at a price you can afford.

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See Also

- [Learn More About the XO™ Network](#)
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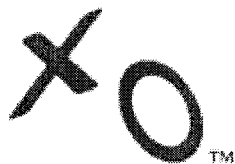
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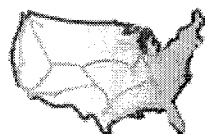
Overview

XO™ has a wealth of network assets that ensure we can handle your current needs and that we're well positioned for the convergence of voice and data IP services. XO has an OC-192 IP backbone with OC-12 uplinks in our markets and data centers; that means we have one of the highest capacity and scalable IP backbones in the industry, along with the highest levels of performance and reliability. A suite of world-class tools that facilitate the communication of customer information and continuous network monitoring set the XO network apart from its rivals.

Benefits

- **High capacity OC-192 IP backbone** provides speed, capacity and flexibility today while allowing XO to offer services that take advantage of future IP technological evolutions
- **Peering infrastructure to the Internet** with more than 100 private and public peering relationships, XO provides direct paths to all other major Network Service Providers so that your Internet traffic travels with peak speed
- **Dedicated Internet Access and DSL access POPs** in the

More Information



[Network Maps](#)



[Network Details](#)

XO Network At A Glance

- OC-192 backbone
- 2300+ on-network buildings
- Five data centers and a 24x7 network operations center
- 300-plus DSL access points
- Access to more than 100+ peering partners offering direct access to 85% of Internet traffic
- Total fiber: approximately 1,158,000 miles
- 34 Nortel DMS-500 switches for local and long distance voice
- Sonus Networks softswitches for handling next-generation traffic
- Fixed wireless licenses covering 95% of the top U.S. business markets



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local markets The
extensive XO footprint
ensures controlled
connectivity costs

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