

The Lit Services You Need, When You Need Them

Looking Glass consistently provides fast provisioning of a broad set of lit service offerings. We offer not only SONET (Synchronous Optical Network) services and SDH (Synchronous Digital Hierarchy) but also Gigabit Ethernet and Wavelength services that support both traditional and non-traditional applications.

Lit Services Menu

We offer the following services, circuit types and speeds to meet your needs:

Looking Glass Service	Circuit Type	Speeds	
FastGLASS SM	SONET/SDH	DS-1	1.544 Mbps
		DS-3	45 Mbps
		OC-3/STM-1	155 Mbps
		OC-12/STM-4	622 Mbps
		OC-48/STM-16 OC-192/STM-64	2488 Mbps 9953 Mbps
EtherGLASS SM	Ethernet	10Base	10 Mbps
		100Base	100 Mbps
		GbE	50 Mbps
		GbE	155 Mbps
		GbE	311 Mbps
		GbE	450 Mbps
		GbE	622 Mbps
		GbE	1000 Mbps
WaveGLASS SM	Wavelength	2.5 Gbps	2,500 Mbps
		10 Gbps	10,000 Mbps
		Fibre Channel/FICON	1,062.5 Mbps
		ESCON	200 Mbps
		GbE	1,000 Mbps

FastGLASS - SONET/SDH Services

FastGLASS telecommunications transport services support DS-1, DS-3, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16 and OC-192/STM-64 circuits at speeds ranging from 1.544 Mbps to 10 Gbps. Point-to-point private configurations are available for all circuit types, with hub service circuit configurations available for DS-3 and OC-n/STM-n circuit types.

Fully protected access is available through Automatic Protection Switching (APS) that provides fault recovery in under 50 milliseconds to ensure quality of service (QoS) for time-sensitive or mission-critical applications. For less mission-critical applications, limited circuit protection options are available. In all cases, our self-healing ring architecture and non-blocking dedicated circuits provide built-in network survivability.

EtherGLASS - Ethernet Services

EtherGLASS 10 Mbps Ethernet services are available on a 10Base-TX (twisted pair) interface while 100 Mbps Ethernet services are available on a 100Base-TX interface. Gigabit Ethernet services are available on either 1000Base-SX (multimode fiber), or 1000Base-LX (single mode fiber) interfaces, at transmission speeds that are configurable from 50 Mbps to 1000 Mbps, depending on your requirements.

WaveGLASS - Wavelength Services

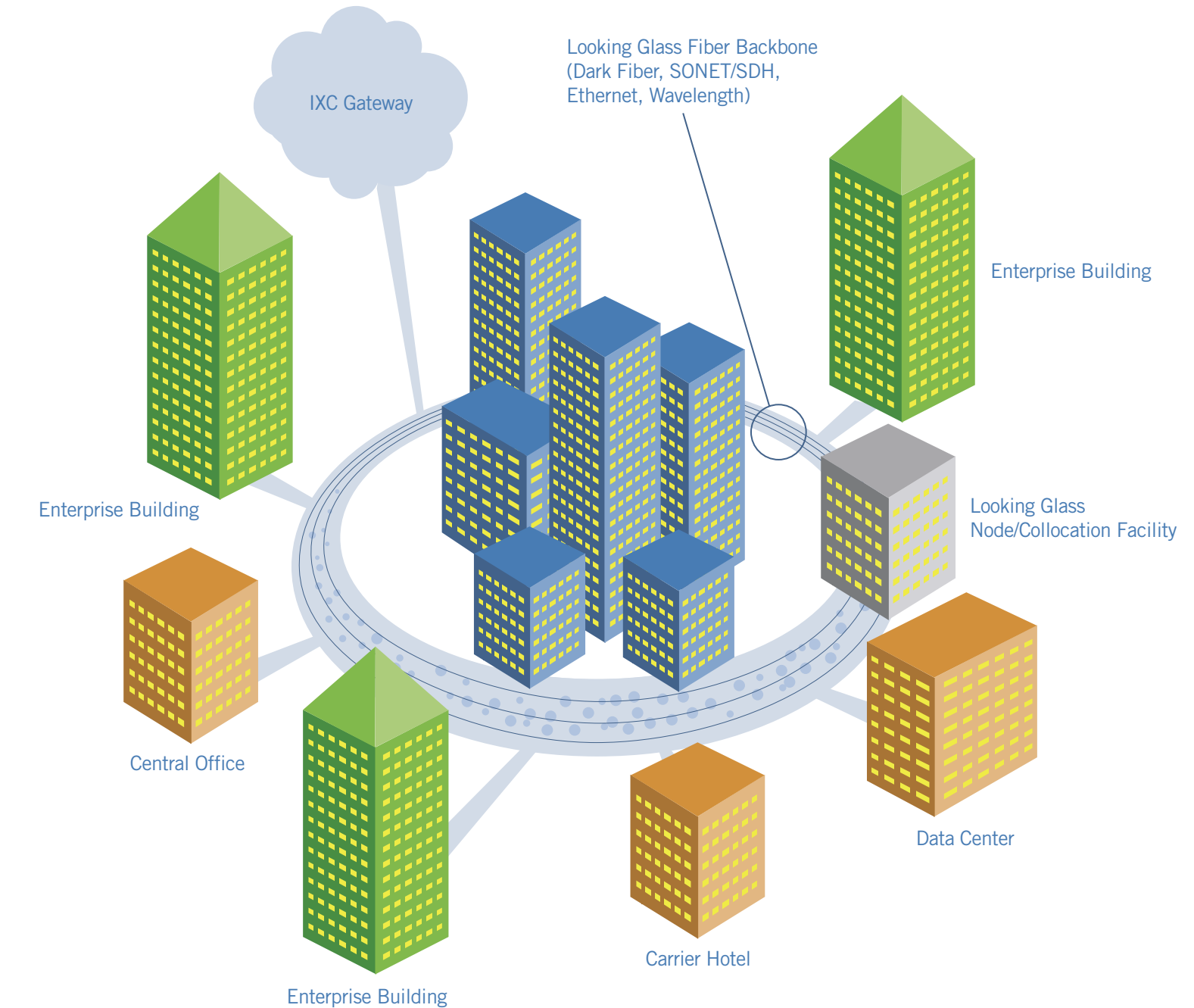
WaveGLASS services allow transmission of SONET, Gigabit Ethernet and a variety of non-traditional services (ESCON, FICON, Fibre Channel) over the same fiber pair. Speeds range up to 10 Gbps. You also have the option of purchasing single or multiple wavelengths.

WaveGLASS circuits are available in point-to-point configurations with three protection options:

- No protection: Both line-side (Looking Glass) and client-side of the circuit are unprotected
- Line-side protection: The line-side of the circuit is protected; the client-side is unprotected
- Full protection: Both the line-side and client-side of the circuit are protected

Networks Like No Others

To ensure that you have reliable, scalable connectivity, each Looking Glass network ring uses a star topology where every building on the network is physically connected to a central node site via diverse paths.



An Optical Platform with Limitless Possibilities

Our flexible, application-neutral optical platform allows us to serve you and scale with your needs regardless of your service preference.

Our networks support two subscriber circuit configurations, point-to-point and hub service. Point-to-point circuit configuration, available for all Looking Glass services, enables you to connect two locations with reliable, dedicated bandwidth.

Hub and end-link circuit configuration, available for DS-3 and OC-n/STM-n interface types, is a unique derivative of a standard point to multi-point hub circuit. You can connect several remote locations to a hub site in a point to multi-point configuration, at multiple interface rates. Our node site serves as the end-link aggregation point, providing connectivity between the hub and the various end-link circuits.

ColloGLASS Facilities

ColloGLASSSM collocation services enable you to focus on your core business, leaving the construction and maintenance of the infrastructure to us. Our carrier-neutral facilities provide an abundance of power, security and system redundancy. You gain easy access to our high-capacity optical networks and leading-edge telecommunications transport services plus proximity to fiber from multiple carriers.

Space: All node or primary collocation facilities meet or exceed local building codes and comply with seismic requirements. We provide NEBs-level compliant solid front, lockable cabinets that are anchored to the floor and frame-grounded. The 85" (H) x 28" (W) x 32" (D) cabinets have 19" to 23" adjustable rails and feature a unique all-steel enclosure and uni-body type construction with front and back combination locks. Each cabinet is in a card-key secured room with ventilation, air conditioning and fire suppression systems.

Security: All collocation sites and customer work areas are card-key secured 24x7. Proximity card readers are installed at every entrance and exit. Our Network Operations Control Center (NOCC) manages collocation access and monitors the facility 24x7.

We also offer caged space with installation and racks for cabinets provided according to your needs. Several power options for caged space are also available.

Power: Permanent AC/DC power is available for purchase in 10 amp increments. Protected AC power configurations are also available. To assist you in the initial set-up of your collocation space, we offer 'convenience' AC power.

HVAC: Optimum environmental controls are provided in each facility. We guarantee, over a 24-hour period at 100 percent load, an average temperature of 70 degrees Fahrenheit and an average relative humidity of 55 percent.

Cross Connects: We perform all cross connects for you in a common, controlled and secure area.

Remote Assistance Option: An optional service, remote assistance allows you to avoid dispatching your personnel for certain on-site activities. With this option, an on-site Looking Glass technician performs basic maintenance activities and special configuration or maintenance operations upon your request.

Why ColloGLASS?

- Carrier-neutral facilities
- Convenient access to our superior network and services
- Instantly available high-capacity infrastructure that allows you to focus on your core business

Network Availability

Up to 99.999 percent measured annually

Safe At Any Speed

Our self-healing networks mean fewer service disruptions and greater network reliability - with annual transmission availability of up to 99.999 percent. With an all-optical network based on next-generation SONET/SDH, Ethernet and Wavelength technologies, our networks are capable of 50 millisecond recovery from failures such as fiber optic cable cuts. All backbone fiber is diversely routed and path protected. Looking Glass' NOCC monitors and maintains our networks 24x7.



Solutions In The Fast Lane

We are providing breakthrough, fast-track solutions for domestic and international customers in the top U.S. metropolitan areas, with connections to key data aggregation facilities and Enterprise buildings in Atlanta, Baltimore, Chicago, Dallas, Houston, Los Angeles, New York/Northern New Jersey, Philadelphia, San Francisco, San Jose, Seattle and Washington D.C./Northern Virginia.

How Do You Benefit?

Every aspect of Looking Glass' operation is designed to provide the highest value to you, now and in the future.

- We deliver the broadest possible range of SONET/SDH, Ethernet and Wavelength services.
- Our redundant optical networks connect major data aggregation locations, ensuring access to the services you require.
- Our networks offer physical diversity from other fiber providers.
- We can build to the locations of your choice to meet your specific connectivity needs.
- Our network nodes have the space and power to support physical collocation.
- Our operational support systems ensure capacity and configuration availability, support rapid service delivery intervals, and provide Web-based access to everything from service ordering through fulfillment.
- Whenever you have questions and concerns, you get help directly from an experienced and knowledgeable Looking Glass customer care specialist, 24x7.

Contact Us

Looking Glass Networks, Inc.
1111 West 22nd Street, Suite 600
Oak Brook, Illinois 60523
1.866.778.LGN1(5461)
sales@lglass.net
www.lglass.net

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Lit Bandwidth and Collocation Solutions

A Complete Spectrum of Lit Services

Looking Glass Networks provides the metropolitan telecommunications transport services you need - where, when and how you need them. Our end-to-end, redundant networks offer the full spectrum of SONET/SDH, Ethernet and Wavelength services on our flexible, application-neutral optical platforms.

Our networks offer connections to major data aggregation facilities and enterprise buildings, ensuring reliable service and access to IXC, ISP, ILEC and CLEC locations as well as Web hosting facilities and data centers. Because we own and operate our networks, we can build to the location of your choice, meeting your specific needs. With all our services, you receive consistent fast provisioning, well-placed connectivity and high levels of security and responsiveness.

Why Looking Glass Lit Services?

- Consistent rapid delivery times
- Extensive menu of flexible services
- Vast connectivity with build-out capability
- Physical diversity from other fiber providers
- Simple migration to higher speeds
- Comprehensive service offering for domestic and international customers

