

CenturyLink Private Line GeoMax

High-speed, multi-protocol, fiber-optic data transport service

GeoMax® delivers the most-advanced dedicated private line solution, combining fault-tolerant, high-speed data connectivity and unparalleled reliability. Based on dense wave division multiplexing (DWDM) technology, GeoMax supports the increasing demand from customers who place a high value on increased availability, continuity/disaster recovery and load sharing among mission-critical systems. Each GeoMax system is custom designed to your specific needs. The system is installed and dedicated to your business to support key applications including:

- Data center networking growth
- Transferring of data between workstations, mainframes, supercomputers, etc.
- Synchronous optical network technology (SONET) interworking
- Local area network/metropolitan area network (LAN/MAN) connectivity and storage area networks (SANs)
- Business continuity and disaster recovery applications

Description

GeoMax is a high-speed, high-capacity, multi-protocol, data-networking solution for customers with significant data transmission needs. It combines DWDM technology with 24/7/365, proactive network monitoring and competitive service level agreements (SLAs). It uniquely supports both native and proprietary protocols (e.g., IBM mainframes) as well as industry-standard protocols such as SONET and Ethernet. A key advantage of DWDM technology is the transparency to the data being carried on it. It is bit rate and protocol independent, guaranteeing the low latency and 100% throughput your applications demand.

Features

- Highly-flexible and scalable solution supporting up to 44 wavelengths on 2 fiber pairs
- Bandwidth up to OC-768 (39.813Gbps)
- Bit rate and protocol independent
- Flexible and guaranteed throughput for all applications
- Single platform supporting multiple interfaces, protocols and applications
- Wavelength-based protection
- Guaranteed SLAs, including service availability, customer notification, service delivery and mean time to repair (MTTR)
- Point-to-point, ring configuration or multi-point support
- Real-time business continuity/disaster recovery capabilities
- Innovative DWDM equipment
- 24/7/365 proactive network management via simple network management protocol (SNMP) with optional read-only capabilities

Contact your CenturyLink Representative today!



Benefits

- Fast – individual circuits with up to OC-768 (39.813Gbps) of capacity
- Valuable – large capacity at low cost
- Compatible – transparent, with certification of interoperability with other vendors
- Flexible – several protocol and design options
- Scalable – quickly adaptable for faster and increased amounts of traffic
- Safe – choose protection levels by circuit; dedicated system to prevent outside customer traffic intermingling
- Reach – the broadest fiber footprint in the 14-state region, providing you with unprecedented reach to thousands of on-net sites
- Price – superior pricing, includes several pricing plans
- Quality – as one of the largest transport providers on the globe, we regularly provide advanced solutions complete with comprehensive support via a state-of-the-art design service center and local field support
- Dedicated – sales engineers provide custom designs and solutions

How it works

GeoMax uses DWDM technology, which enables 2 or more optical signals with different wavelengths to be simultaneously transmitted in the same direction over one strand of fiber. Separating the wavelength at the distant ends dramatically increases the capacity of an optical fiber. The technology allows us to transport high-bandwidth, native optical interfaces supporting mainframes, data center connectivity, next-generation SONET and fiber-saver applications. In addition to capacity boost, DWDM offers complete transparency, allowing support of multiple customer protocols and applications on a single platform.

Why CenturyLink?

- Our sales teams, technicians and engineers are experienced in developing custom solutions, including GeoMax service, that meet customers' specific needs for high-speed data communications
- Our professionals are always available to help create and maintain a multimedia network, allowing you to benefit from the latest advancements in technology
- We have the most dense fiber footprint in our local service territory
- Our SLAs have service availability greater than or equal to 99.999%

Other CenturyLink products

In addition to GeoMax, we offer other products to meet your needs, including:

- Synchronous Service Transport (SST)
- Self-Healing Network Service (SHNS)
- Metro Ethernet
- Optical Wavelength Service

Contact your CenturyLink Representative today!

