AT&T Business

AT&T Private Dedicated Network

Private, powerful, and built for what's next





AT&T Private Dedicated Network is a private, multi-point, fully managed wavelength network supporting different traffic types within your city or across the U.S.

It offers flexibility in bandwidth design, allowing your business to operate seamlessly on a highly available, private, and secure infrastructure. Tailored to support multiple applications and protocols, this robust solution ensures reliability and adaptability for your unique needs.

With a fully managed fiber-optic network, you can leave the complexities to us and focus on what matters most—growing and running your business.

Features

- Wavelength technology to maximize network capacity
- High-bandwidth capability (Up to 400 Gbps) for mission-critical applications
- 100% service availability backed by Service Level Agreements (SLA) for peace of mind
- Battery backup for uninterrupted service
- Dedicated fiber with built-in encryption for security and reliability

Benefits

- Nationwide footprint for rapid scalable connectivity
- Seamless integration with AT&T voice, cloud, and network services
- Optimal performance with 24/7 monitoring and management
- Comprehensive service assurance testing for reliable operations

Designed to meet your networking needs

AT&T Private Dedicated Network uses advanced OTN (Optical Transport Network) and DWDM (Dense Wave Division Multiplexing) technologies to deliver services over a single, dedicated platform.

OTN is a digital transport technology that efficiently manages and transmits multiple types of data—such as voice, video, and high-speed internet—across fiber-optic networks.

DWDM is an optical technology that increases bandwidth capacity by sending multiple data streams simultaneously over a single fiber, using different wavelengths (or colors) of light.

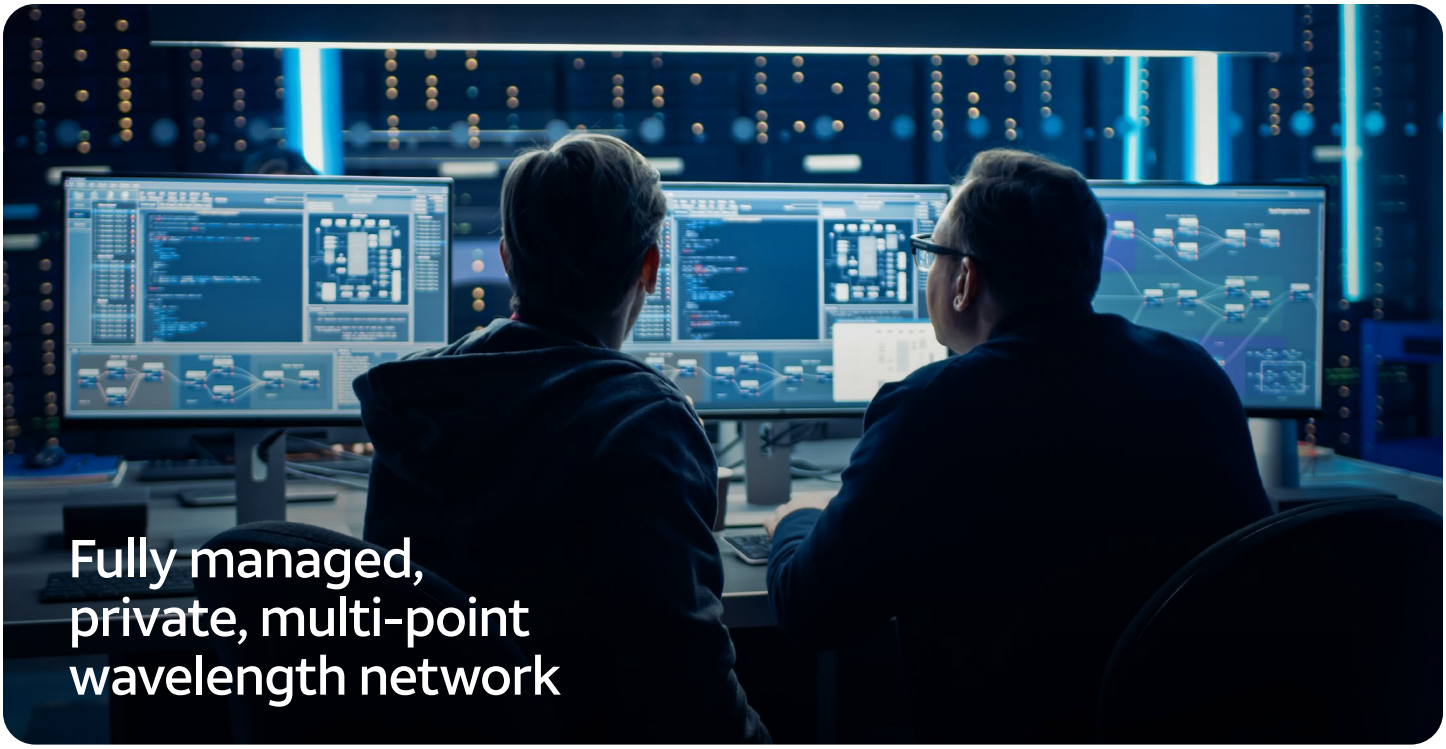
By combining OTN and DWDM, the network offers seamless integration of diverse applications, maximizing efficiency and scalability. This enables your business to support multiple protocols and applications with reliable, flexible, and future-ready performance, positioning your network for growth as your business evolves.



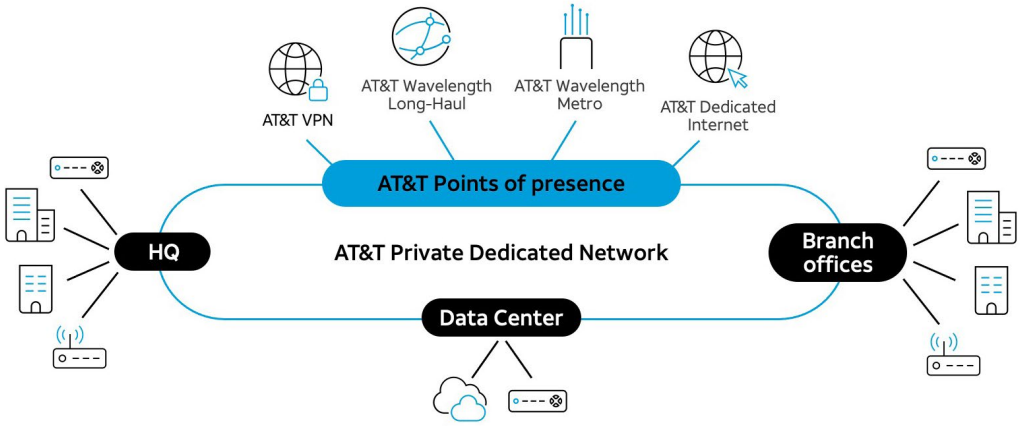
Seamless support for complex business needs

This unified, highly secure platform is designed to support multiple business applications, protocols, and connectivity requirements, including:

- Cloud computing and hosting
- IP data services and Ethernet
- Storage networking
- AT&T points of presence (PoPs)
- Colocation facilities and carrier hotels
- Carrier-to-carrier interconnection



Fully managed, private, multi-point wavelength network



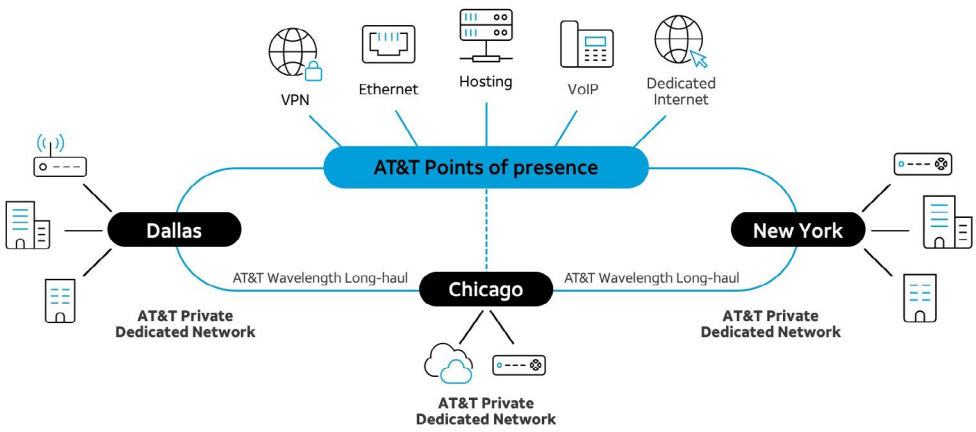
- Any-to-any connectivity across sites and data centers
- Supports diverse traffic types within your metro network
- Seamless integration with AT&T services and cloud providers
- Detailed service assurance testing and rapid fault detection

Available where you need it

AT&T Private Dedicated Network can interconnect with long haul core wavelengths to connect your network into a larger network while maintaining the resilience, reporting and convenience you expect.



Keeping your business connected nationwide



- Interconnects metro networks with long-haul wavelengths for nationwide coverage
- Built-in redundancy with diversity
- Customized to individual client needs
- Advanced customer performance management tools

This versatile network can serve as a core component of your national infrastructure, leveraging its robust features to provide secure traffic management, regardless of its origin or destination.

Elevate Your Network Infrastructure

AT&T Private Dedicated Network empowers your organization with a robust, future-ready foundation designed to meet the evolving demands of modern business connectivity.



Agility

Rapid Provisioning and Scaling

Quickly adapt to evolving business needs with fast provisioning and scalable bandwidth.



Performance

High-Speed, Reliable Connectivity

Experience efficient, secure data transfer across locations with fully managed and optimized network infrastructure.



Control

Extended Demarcation

Enhance operational flexibility by relocating network demarcation points for optimal equipment placement and security.



Flexibility

Technology Integration and Customization

Seamlessly integrate DWDM, OTN, and Ethernet to support diverse use cases like disaster recovery, virtualization, and data center interconnects.



Resilience

Battery Backup (BBU)

Maintain uninterrupted operations with custom-engineered battery backup solutions and proactive maintenance for power assurance.



Security

Traffic Encryption

Protect sensitive information with robust, high-speed encryption (10, 100, and 400 Gbps) to ensure data integrity and privacy.

With these advanced capabilities, your network is equipped to meet the demands of today and tomorrow—empowering your business to thrive in a dynamic digital landscape.

© 2026 AT&T Intellectual Property. AT&T and the Globe logo are registered trademarks of AT&T Intellectual Property. All other marks are the property of their respective owners. | 7592604-042926