

Government Networking Solutions for Mission-Critical Infrastructures

Delivering Reliable Connectivity for Agencies at Every Level

BUILDING SECURE CONNECTED GOVERNMENT NETWORKS

Government agencies rely on fast, dependable networks to support communications, data sharing, surveillance systems, and cloud-connected services—often across geographically distributed environments with strict security, compliance, and uptime requirements. As data volumes grow and infrastructure modernization accelerates, IT teams must manage increasing bandwidth demands, multi-vendor environments, and constrained budgets, all while maintaining mission-critical operations without service disruption.

As connectivity demands continue to evolve, government networks require solutions that deliver:

- **Secure Communications** – Protect sensitive information and support critical applications with reliable, high-performance optical networking infrastructure.
- **Consistent Performance** – Reduce downtime and maintain throughput across agency facilities, field offices, and inter-agency connections.
- **Future-Proof Investment** – Simplify network growth and management, ensure multi-vendor interoperability, and reduce long-term costs as technology and operational requirements evolve.

WHY GOVERNMENT AGENCIES CHOOSE APPROVED NETWORKS

Approved Networks, a brand of Legrand, delivers high-performance optical networking solutions trusted by federal, state, and local agencies to scale bandwidth and secure data transmission—at a fraction of OEM cost.

Government agencies benefit from solutions that deliver:

- **Network Dependability** – Infrastructure designed for always-on operations that support communications, emergency response systems, and uninterrupted public services.
- **Adaptability for Growth** – Future-ready fiber optics that support network expansion, increased data demands, and expanding digital services.
- **Engineering Expertise** – Backed by Legrand, Approved Networks invests heavily in R&D to continuously advance fiber-optic technologies to keep government networks ahead of evolving security and compliance demands.

Popular Products



400G Transceivers



100G Transceivers



10G Transceivers



Passive WDM Filters



Multi-OEM Compatibility



Tailored Solutions



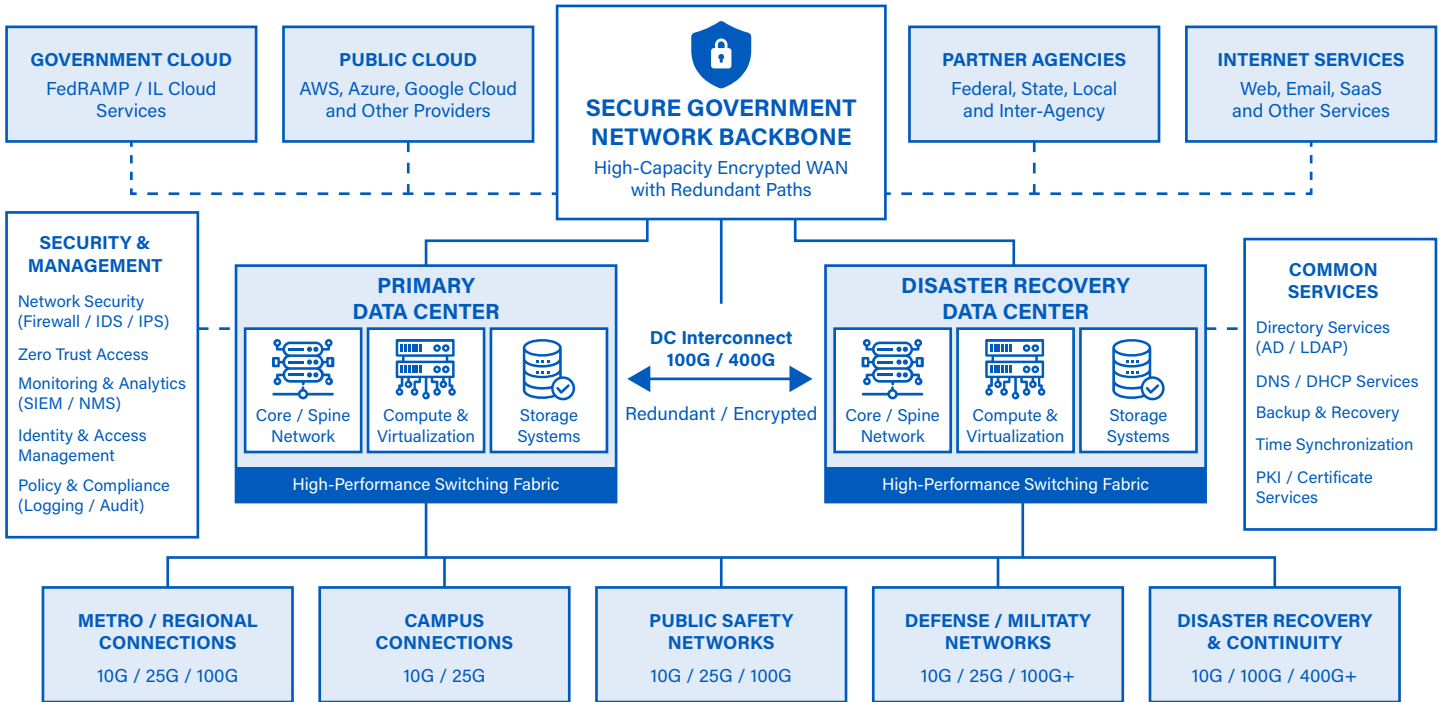
Expert Technical Support



Budget-Friendly Solutions

GOVERNMENT NETWORK ARCHITECTURE OVERVIEW

Government networks must support secure, high-availability workloads, requiring an infrastructure that delivers interoperability, reliability, and scalability at every network layer. Approved Networks solutions impact every layer of the government network topology, whether connecting agency headquarters, public safety operations, educational institutions, defense facilities, regional offices, or disaster recovery sites.



RECOMMENDED FIBER OPTICS FOR NETWORK INFRASTRUCTURE

Approved Networks offers a comprehensive portfolio of transceivers, high-speed cables, and passives—optimized for secure, compliant, and scalable government network deployments.

Fiber Optic	Max Distance	Typical Use
10G SFP+ LR Transceiver	10km (SMF)	Secure connectivity between facilities, regional offices, and remote locations
10G SFP+ BiDi Transceiver	80km (SMF)	Extend secure network connectivity between government campuses and remote facilities
10G SFP+ ZR Transceiver	80km (SMF)	Long-distance links between geographically separated facilities
40G QSFP+ LR4 Transceiver	10km (SMF)	Aggregation links between agency data centers and core network infrastructure
100G QSFP28 SR4 Transceiver	100m (MMF)	High-speed connectivity between critical applications, storage, and virtualization environments
100G QSFP28 LR Transceiver	10km (SMF)	Metro interconnects between primary data centers, continuity-of-operations (COOP) sites, and disaster recovery facilities
400G QSFP-DD DR4/DR4+ Transceiver	2km (SMF)	Ultra-high-bandwidth connectivity supporting AI workloads, advanced analytics, and next-gen data centers
10G DWDM	80km (SMF)	Securely transport multiple network services between geographically dispersed agencies
100G DAC Cable	3m (Twinaxial)	Low-latency, rack-level connectivity between switches, servers, and storage platforms

POWER YOUR GOVERNMENT NETWORKS WITH SECURE, ALWAYS-ON CONNECTIVITY

Contact our experts to design and deploy a scalable, secure network infrastructure.