



Deliver Edge Compute, IoT Services, and Cloud Extension with Turnium SD-WAN!



Discover how Turnium enables organizations to benefit from secure, hybrid networks and hybrid cloud services. Regardless of who delivers connectivity to your office, Turnium ensures your business can access critical cloud-based resources whenever they are needed.

Turnium's SD-WAN platform delivers single-site and multi-site connections that connect clouds to edge devices, applications to users, headquarters to branch offices and remote sites anywhere. Our solution builds and manages the performance of a dedicated multi-site, multi-path layer 3 overlay network.

Build Global and Regional Private Networks

Build a simple, automated, software-defined network using Turnium to integrate with, and enhance, the performance and reliability of existing Layer 2 networks, and make key cloud-based business applications securely available to your staff in any branch, remote site, or vehicle.

Deliver Cloud Applications Anywhere, Securely

Cloud-based applications require a flexible networking solution that matches the reliability, cost, and flexibility of the cloud. Turnium extends connectivity between employees and any public or private cloud-hosted services easily.

Simply deploy Turnium's SD-WAN edge device and multiple internet, wireless, or dedicated connections to connect your staff securely to cloud-based applications with high reliability. Data in transit is encrypted. Using multiple wireline or wireless internet connections at each site delivers reliability while obfuscating data streams, making data intercepts and man-in-the-middle attacks much less likely to succeed.



Go Hybrid and Multi-Cloud with Turnium

Turnium's platform enables a single global network that is visible over a single IP space or range. Cloud deployments in private data centers, AWS, Azure, or Google Cloud Platform can be brought on-net quickly by deploying Turnium's SD-WAN edge nodes as virtual, container, or bare metal instances.

This means that cloud-based services can be delivered over a single global network without complicated routing configurations, using a single pane of glass to add and manage the network that connects your staff, customers, and applications in the cloud.

IoT, IIoT, and Edge Compute

With Turnium, internet of things (IoT), industrial IoT (IIoT), edge compute (EC), or multi-access edge compute (MEC) devices can be reached using any combination of last-mile broadband or wireless connectivity solutions. This flexibility makes building secure networks for IoT, IIoT, and EC simpler and more cost-effective.

IoT and IIoT devices require consistent connectivity and networks must be designed to deliver the latency requirements of IoT and IIoT deployments. Further, IoT, IIoT and EC devices do not generally have the luxury of having excess memory or large CPUs at their disposal. This means that the workloads that can be run on an IoT device are constrained. Turnium's SDWAN addresses these challenges and is designed to reach all IoT, IIoT and EC devices with the required level of performance.

Further, Turnium's SD-WAN is a certified cloud-native network function (CNF) that can run on Kubernetes container management platforms such as Red Hat® OpenShift®, or Rancher to provide lightweight SD-WAN functionalities.



Reliability, Business Continuity and Failover

Your staff and customers deserve high reliability, no matter where they're located and Turnium's SD-WAN solution delivers on that promise!

When multiple circuits from multiple carriers are used to connect a site or cloud to the network, data fails-over across those circuits seamlessly. Deploy wireline or wireless circuits in multiple combinations to realize a true multi-path converged network.

More importantly, Turnium's solution makes sure that customers and suppliers can reach critical business teams such as sales, support, help desk, order desk, contact center all the time, anytime. Your teams will also thank you as their access to remote applications also remains consistent, eliminating delays and restarts caused by interrupted sessions.

A Single Managed Solution, a Single Provider

Turnium's SD-WAN platform enables a single, managed network to be built using connectivity from any carrier. By doing so, Turnium promises cost-savings and performance increases by using broadband internet and 4G, LTE, or 5G networks to build multi-path converged networks (wireline-wireless or wireless-wireless) and cap, reduce, or migrate away from spending on MPLS. Further, our solution manages the entire network and has visibility and control over the performance and quality of all your underlying connections.

Turnium also serves as your single network management interface and can build your organization a network using any available carrier connection. Alternatively, you can provide connectivity using local staff to make the purchases. Our technology rides over top of all the carriers and we provide the management and visibility so that your business just works.



Simplify Your Network, Improve Your Visibility

If you've got a presence in multiple regions, nationally, or globally, you've probably relied on multiple carriers across all your sites. Turnium's SD-WAN solution can work with circuits from these carriers and integrate them into a single, cohesive, managed network. This simplifies your network, provides end-to-end visibility, and gives us the ability to control, diagnose, and troubleshoot your application and network challenges.

Easy to Manage, Easy to Expand

Turnium eliminates the need to design and manage custom solutions with redundant multi-carrier backup circuits and VPN. Our solution turns integrating multiple transport types from multiple carriers into plug-and-play. Our platform also automates the routing and provides bi-directional encryption, securing data in-transit while also obfuscating data by spreading packets across the multiple circuits in the network.

More Than Just a Network Overlay

By bonding multiple connections, Turnium's SD-WAN platform:



Dramatically increases your network speed



Provides a cost-effective alternative to MPLS networks



Reduces WAN costs by **52%***



Increases reliability with automatic failover



Offers real-time statistics and performance updates



Increases bandwidth by **400%***



Provides bi-directional QoS over public networks

*Metrics are based on a deployment for an enterprise customer.



Reduce Your IT Staffing Costs with Turnium SD-WAN

Network and data center spend are about 11% and 15% of IT infrastructure budgets (respectively), but account for approximately 40% of staffing costs. Turnium's managed SD-WAN significantly alleviates those staffing costs by reducing the internal workload needed to operate and manage local, regional, and global networks.

This means that cloud-based services can be delivered over a single global network without complicated routing configurations, using a single pane of glass to add and manage the network that connects your staff, customers, and applications in the cloud.

About Turnium

Turnium Technology Group, Inc. delivers its software-defined wide area networking (SD-WAN) solution as a white label, containerized, disaggregated software platform that channel partners host, manage, brand, and price or as a managed cloud-native service provided by Turnium. Turnium offers a channel partner program designed for Telecommunications Service Providers, Internet and Managed Service Providers, System Integrators, and Value-Added Resellers.

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