

# SD-WAN

CONNECT. OPTIMIZE. SECURE.

With Software-defined Wide Area Networking (SD-WAN) from Telesystem, businesses can take control of their network by reducing complexity and costs and improving application performance.



## Telesystem SD-WAN

Telesystem has leveraged a number of strategic partnerships to develop Managed SD-WAN solutions for any size business, with a full range of SD-WAN and security features, customized to fit their business, budget, and network needs.

Telesystem's SD-WAN solution enables businesses to re-architect their WAN and branch office networks through a software-based and multi-service approach to SD-WAN, allowing them to reduce the Capex and Opex of their WAN and branch networks, and increase the capacity of their IT teams.

Our fully managed solution turns the network into an agile resource through a software-based approach that allows Telesystem to rapidly provision new branch offices, dynamically add new network and security functions, and seamlessly scale capacity as required.

## The Next Generation of Network Connectivity

SD-WAN provides companies increased network visibility, application-level insights and the ability to optimize traffic routing all centrally managed and maintained by Telesystem. Additionally, SD-WAN allows branch locations to leverage bandwidth intensive applications that were previously only available to larger offices, while multiple layers of security protect against Internet and branch cyber threats.

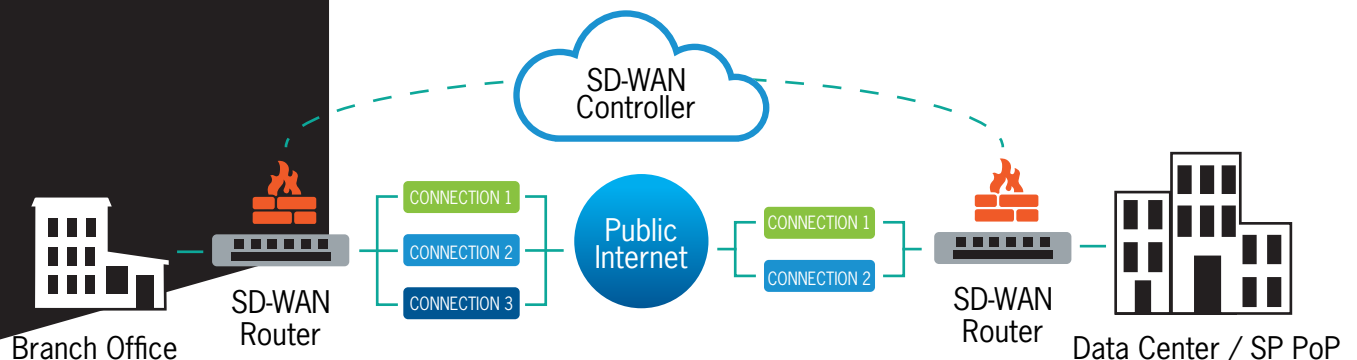
### Deploying SD-WAN offers many benefits to meet network demands:

- Improved application performance and quality of service for remote and branch workers
- Ability to add new locations without a lengthy deployment window
- Increased connection security through encrypted WAN traffic as applications and data migrate to the cloud
- Greater traffic visibility to align network services to user and application needs
- Ability to support bandwidth intensive applications and workloads
- Optimized bandwidth by reducing reliance on private MPLS links
- Reduced WAN costs and scaled capacity through the use of lower-priced broadband connections
- Reduced complexity & maintenance with simplified remote office CPE requirements
- Maintaining connectivity for improved business continuity and disaster recovery capabilities

### How it Works

Software-defined wide area networking adds a layer of software on top of the existing network to automate the configuration of edge routers and direct traffic over a mix of wireless and broadband network access.

This solution allows Telesystem to set up dynamic policies that direct your traffic over the best path available based upon application priority. If a business experiences a high-traffic situation, SD-WAN offers a real time network solution and better customized management of traffic across the network.



# Telesystem SD-WAN

## Included in Telesystem's SD-WAN Solution

- Site equipment
- Software licenses
- Plug and Play Solutions for Every Site
- Zero Touch Provisioning
- Secure Internet access at each site
- Management Portal, or single pane of glass, with access to all locations
- Ability to chain service requests
- Ongoing configuration managed by Telesystem
- Flexible Provisioning & Management
- Advanced, Detailed Analytics
- Built-in Firewall
- Routing & App Sharing
- Application layer control and awareness
- Provisioning and management of all connectivity, including broadband, or customer can supply their own connection
- End-to-end encryption for dynamic branch-to-branch connectivity
- Wireless backup (available as a redundant connectivity option)

## Included Features

- TLB (Translation Lookaside Buffer)
- DOS Protection
- URL & IP Reputation Filtering
- Stateful Firewall
- Multiple Active Links
- IPsec Transport
- Anti-Virus Protection
- IDS-IPS
- SSL, TLS Decryption for AD Integration
- User/Group Access Control
- L7 Access Control
- Network DLP
- VRRP (Virtual Router Redundancy Protocol)
- IPAM (IP Address Management)
- Routing, Policies, PBF (Policy Based Forwarding)
- VRF (Virtual Routing and Forwarding)
- CGNAT (Carrier-Grade NAT)
- QoS, HQoS
- Ext Service Chaining
- ZTP (Zero Touch Provisioning)
- SD-WAN Fabric Traffic Management/Shaping
- Dynamic IPsec Overlays
- MOS Based Traffic Ctrl
- App Aware Migration Gateway
- Packet Cloning
- \* FEC (Forward Error Correcting)
- APP-TE/APP-SLA
- Inline Performance Measurement
- APP-QoS
- Application Visibility
- SD-WAN Controller