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.

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.
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