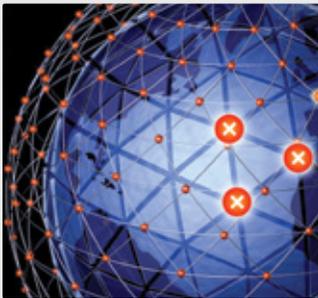# SPECTROTEL®

Spectrotel + SD-WAN = The Perfect Fit

As one of the nation's fastest growing aggregators, Spectrotel has mastered the ability to marry and manage multiple technologies and providers resulting in optimized solutions, enhanced performance and complete accountability under one roof. The benefits of working with Spectrotel is that we are carrier, platform and equipment agnostic. This results in a customized network solution for an enterprise because we can manage, monitor, secure, and now, with our new SD-WAN service optimize the use and quality of that network.

SD-WAN offers a transformational approach to business networks with the ease of incremental network changes. It allows companies to build higher performance WANs using lower cost internet access, enabling businesses to partially or wholly replace more expensive private WAN circuits, such as MPLS.

The addition of SD-WAN to the Spectrotel portfolio of Managed Services is THE perfect fit for an enterprise.

Top Four Network Challenges Businesses Face

Network Disruption

Poor Performance

Inadequate Network Management & Visibility

Slow and Costly Scalability

Spectrotel's SD-WAN as the Solution

High Network Resiliency

No matter how hard network architects prepare, unplanned circuit outages occur. The only real fix is to build in network resiliency. Spectrotel's SD-WAN service does that on multiple levels. First, since the SD-WAN backbone is provided over the Internet, it has the benefit of the Internet's inherent resiliency of packet networking with many different pathways. Second, since **Spectrotel's SD-WAN gateways are connected to multiple, Tier 1 Internet providers, even if one carrier has a service impairment, the backbone traffic will flow through others**. Third, with multiple Internet access connections at the premises, using **Spectrotel's Internet Over Anything service or other customer access, the traffic has alternate paths to flow from the edge to the gateway through different facilities, technologies, and access providers**. All of this means that a circuit or carrier can experience a failure without the customer experiencing a network outage or even a service impairment so IT can focus on the next big application for the business rather than fixing the big network problems.

Quality Network and Application Performance

Even if the network isn't completely down, businesses often suffer from inferior service or application performance either due to network impairment or peak demands that are taxing the network resources. With real-time, network and application aware traffic management, **Spectrotel's SD-WAN service automatically routes each packet over its optimal route based on the type of application it carries and the status of the network to maximize service performance and route around network congestion or impairments**. The bottom line is: the SD-WAN network automatically manages the traffic so you can focus on the quality of the message rather than the quality of the transmission.

Holistic Network Visibility

With traditional networking technology, each device must be configured and managed individually. Network management platforms provide access to performance data of the devices, but they do not take a holistic view of the network. Since SD-WAN makes use of software defined networking technology that separates the control layer from the traffic layer, network management occurs at the SD-WAN Orchestrator in the cloud. It talks to all the SD-WAN devices to automatically configure them based on business policies, add or change services, and to manage the traffic through them with an awareness of the applications and the network performance across the entire network. **With Spectrotel's Platinum Monitoring feature, customers have real-time portal access to the SD-WAN management console at the Orchestrator to observe network performance**, including quality metrics, bandwidth utilization by link, application demand on the network, and traffic sources and destinations. While the customer need for active network management is reduced, the visibility is available to watch the network perform automatically.

Quick and Easy Network Expansion

It can take weeks or months to add capacity or new locations to a traditional customer network using costly technologies such as MPLS or Private Lines. **With Spectrotel's SD-WAN solution an enterprise can rapidly add lower cost bandwidth. We can make use of any Internet access technology from any provider either through Spectrotel's Internet over Anything Service (IOA) or a customer's existing local Internet circuits and can add a location or capacity to the WAN in days or even minutes depending on access availability.** And, since **Spectrotel's SD-WAN uses "active-active" traffic diversity, all bandwidth is available for service rather than one circuit sitting idle to back up the other**, which means more bandwidth and lower cost per Mbps. Installation can be as easy as plugging the internet connections into the edge device and letting it call home to the SD-WAN Orchestrator for all of its instructions. This gives the customer the option of receiving Spectrotel's traditional high touch, on-site installation, or the option to save time and money with a self-install of the device by plugging it in and letting Spectrotel complete the installation remotely from its Network Management Center.

Can it be True?

Network cost savings, improved service performance, and faster installations and upgrades?
Cheaper! Better! Faster! Yes, with Spectrotel's SD-WAN Service it absolutely is true.

Spectrotel's Solutions in a Box

The ultimate simplification of an otherwise complex technological environment. To learn how Spectrotel's SD-WAN or Solutions in a Box can transform your business call (877) 542-9200.

One of the fastest growing nationwide aggregators of VOICE, INTERNET, CLOUD and MANAGED SERVICES.

About Spectrotel

For 20 years, Spectrotel has provided quality, affordable, personalized, and integrated communication services to SMB and enterprise customers. Spectrotel delivers the VERSATILITY of any service, any carrier, any speed, at any location in order to provide a fully integrated and customizable enterprise solution that is FLEXIBLE and SCALABLE as the technologies evolve and businesses expand.

We make it simple. We keep it personal.

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