

# MSx Managed SD-WAN with 4G LTE



TPX

Managed SD-WAN with 4G LTE offers businesses an alternative to fiber, copper and cable-based broadband connectivity.

Today's branch networks are not confined to a building anymore. They now span vehicles, pop-up stores, smart cities and mobile operations facilities. With 4G LTE wireless technology, organizations can gain Internet access far faster than waiting for cables to be connected to their facilities. Since wiring via a single point is no longer an issue, time to capability is massively improved and security of supply is enhanced.

4G LTE is not the only advancement in network technology, though. SD-WAN represents the most significant transformation of enterprise WAN architecture in several

decades. SD-WAN adds a layer of intelligence providing real-time visibility into, and control over, network and application performance. It transforms any Internet connection into an enterprise-grade secure WAN without a datacenter headend.

TPx has brought these two powerful technologies together by adding 4G LTE-based connectivity to its MSx Managed SD-WAN toolkit. This service offers business customers an alternative to fiber, copper and cable-based broadband connectivity to nearly any U.S. location where cellular coverage is available.

# TPx 4G LTE Networking Solutions

## Failover-only connection

Unforeseen disasters can be a threat to business productivity, so organizations need to consider deploying 4G LTE at branch sites for failover connectivity. Unlike dual-wired connections, which often share the same trench into a building and are subject to errant backhoes, 4G LTE provides true path diversity and ensures non-stop Internet access. The 4G link is dormant until it's needed for automated failover of the primary circuit, so you won't be unnecessarily using up your mobile data allocation.

## Secondary Active/Active connection

This is an economical LTE connection for sites that also have a connection (either from TPx or another service provider) that's delivered via our Managed WAN solution. It will act as a fully functional Active-Active

connection, and the TPx Managed Service Router will choose this connection whenever it is the best path. The 4G circuit is active but sharing throughput with a primary wired circuit. This is a great alternative to a second cable circuit for provider redundancy, local access redundancy, and additional bandwidth.

## Primary Active/Active connection

This Active-Active option may be provisioned as a standalone connection with Managed SD-WAN. In the primary configuration, all SD-WAN traffic is transported over the 4G network. With decent up and down bandwidth depending on service in your area and averaging around 20Mbps, 4G LTE can be used for the vast majority of data needs. It can work with real-time bi-directional data needs such as video and voice, as well as high-speed data transfers such as large file downloads or video streaming.

## Why choose TPx?

TPx has a nationwide team of network experts at your service. With TPx's leading-edge Managed SD-WAN capability, you can count on guaranteed performance delivered over the cloud that creates seamless enterprise connectedness. Today we manage over a million end points at more than 80,000 business locations across the country, and those numbers are constantly growing. All TPx services are backed by the assurance of our 100% US-based, 24x7 technical support. Our flexible enterprise-class technologies, applications and solutions provide the platform to keep your workforce communicating and collaborating with secure network connectivity. Let us be your guide, partner and expert resource for the network connectivity solutions that will reshape your business.

