



Enhance Your SD-WAN Implementation with LTE and 5G

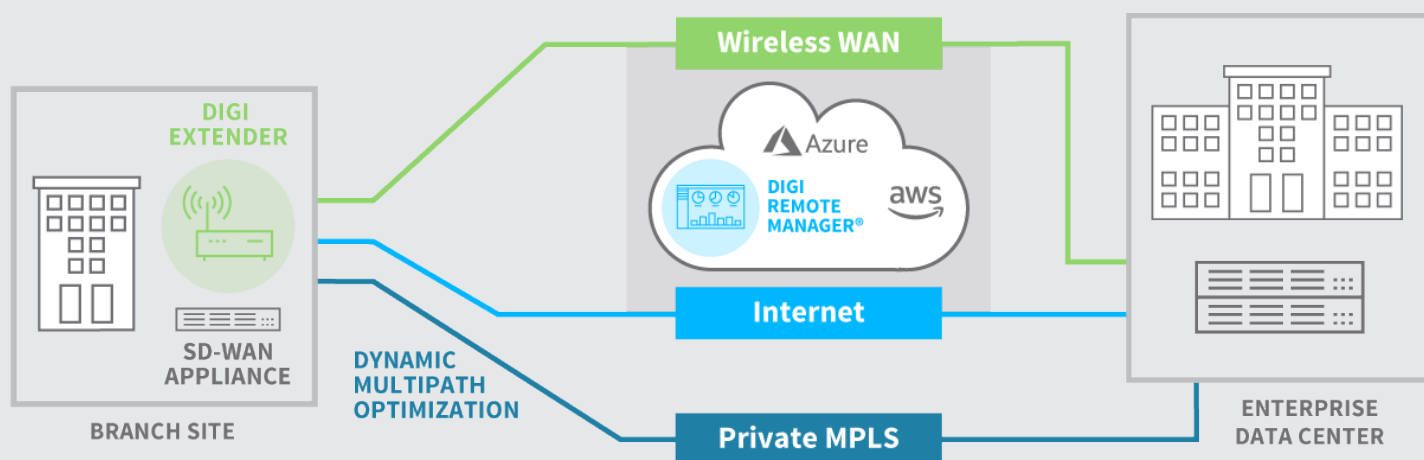
Software-Defined Wide Area Network, or SD-WAN, refers to a software-driven approach to network architecture that provides agility, flexibility, cost savings and superior control. This methodology delivers significant benefits in the cloud networking space — without impacting network security.

Enterprise applications of all kinds today are hosted in the cloud, as it provides reliable network performance with lower up-front costs and less upkeep for internal IT departments. For that reason, there is widespread interest in SD-WAN because of its economy and speed. Over the past couple of years, SD-WAN has grown quickly, gaining a substantial foothold in the [network infrastructure space](#).

For companies seeking to deploy SD-WAN, Digi offers the advantage of being vendor agnostic — supporting a wide range of service providers based on the customer’s needs. Because Digi solutions are not tied to a single provider, users can obtain the optimal performance and cost, and can work with the SD-WAN vendor solution that’s right for them.

Wide-area networks enable companies to connect their users to critical applications quickly and efficiently. In a traditional WAN setup, a company’s software resides in a central data center. Most processing is done from a central location, and from there, traffic is routed to and from the data center over a private connection. Even though these applications live in the cloud, the nature of the process sometimes means sacrificing performance.

Basic SD-WAN Operation



For more information, visit:

www.digi.com

877-912-3444 | 952-912-3444

© 2022 Digi International Inc. All rights reserved.



Smarter, Faster, More Secure Networking with SD-WAN

SD-WAN improves on the traditional WAN architecture — taking a faster, more economical route to reach the end-user by offering the option of using consumer-level broadband, yet without compromising security. Companies don't need to abandon their private networks, but they can leverage readily available public network connections at a much-reduced cost.

SD-WAN employs multiple transport systems, including MPLS (multiprotocol label switching), copper or fiber broadband, as well as LTE and 5G FWA (fixed wireless access).

It then uses software to monitor and direct the traffic, identifying the fastest, most effective way to get the data from point to point. SD-WAN also considers individual security and privacy requirements, prioritizing applications that belong on the network.

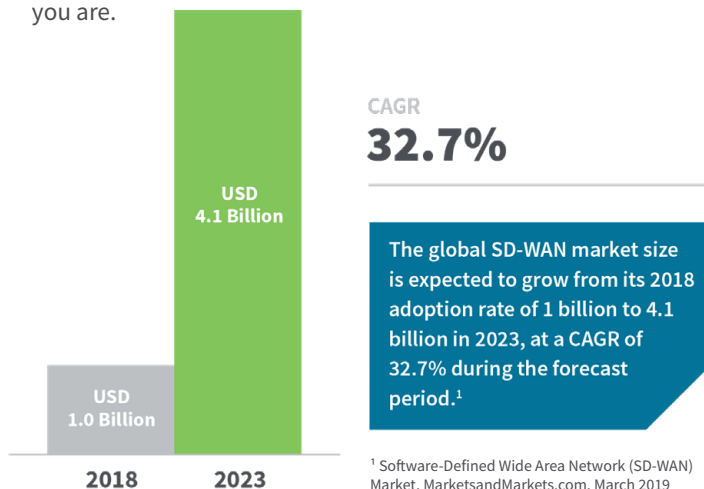
Another significant benefit of SD-WAN is that it enables [zero-touch provisioning](#), reducing IT costs and helping to optimize all aspects of the process. With the ability to configure, provision, and push out changes across the entire network, SD-WAN reduces time-to-value while increasing consistency and assuring compliance with company security policies.

Flexible Connectivity Enables SD-WAN

Since Digi is vendor-agnostic, we can provide cellular connectivity to any SD-WAN appliance the customer chooses. Digi LTE and 5G extenders are designed to support and enhance the potential of the primary SD-WAN appliance through a cabled Ethernet connection. The Digi device can also be placed outside the data center to take advantage of the best possible signal, assuring superior cellular performance using just one Ethernet cable that transports data and power.

This approach makes for a more agile and cost-effective solution. As [5G cellular technology](#) rolls out across vertical industries, users can just switch out the LTE device or module and capture as many connections as possible for various use cases, like secondary WAN connections, failover or out-of-band management.

Another advantage is that Digi offers a way to manage a network of any size via [Digi Remote Manager®](#). It's a single interface that allows you to provision, deploy, automate, and integrate all your remote assets securely, no matter where you are.



Are You Ready for 5G?

The evolution to 5G underscores the benefits of having a discrete Digi router within your SD-WAN environment. 5G operates on a much higher frequency, so optimized placement of the wireless appliance is critical. As companies begin to transition to new 5G technologies, it will be necessary to mount the LTE radio where the signal strength is best. This approach is more cost-effective and will likely be required as 5G coverage expands.

It should also be noted that, even though transmission costs have been a barrier in the past, there are now a greater variety of data plans available. So, it's now possible to use 5G for primary connectivity and cut the expensive wired connection for good.

You can learn more by browsing Digi's [cellular LTE routers and extenders](#) and visiting the [Digi SD-WAN](#) page. Or get in touch to get help identifying the timely, targeted solutions you need to complement your evolving network strategy.

[Contact us](#) to discuss your needs 

For more information, visit:

www.digi.com

877-912-3444 | 952-912-3444

© 2022 Digi International Inc. All rights reserved.

91004507 A3/222

