

Fortinet Secure SD-WAN

Improving network performance, reliability and connectivity to cloud-based applications

Supporting Innovation While Securing Growing Businesses

As the use of business-critical, cloud-based applications and tools continues to increase, distributed organisations with multiple remote offices are switching from performance-inhibited wide-area networks (WANs) to software-defined WAN (SD-WAN) architectures. SD-WAN offers faster connectivity, cost savings, and performance for Software-as-a-Service (SaaS) applications as well as digital voice and video services. However, SD-WAN has its own shortcomings—especially when it comes to security.

Fortinet FortiGate next-generation firewalls (NGFWs) include Secure SD-WAN capabilities that deliver security-driven networking in a unified solution. The Fortinet solution boosts application performance through instant identification and intelligent routing. Additional features increase branch network performance while simplifying security and compliance risk management workflows.

Advanced Networking and Security, Combined

FortiGate next-generation firewalls (NGFWs) include **Fortinet Secure SD-WAN** capabilities, providing both networking and security for SD-WAN branch networks in a single solution. It provides efficient protection across all branch outposts by providing consistent policy enforcement with single-pane-of-glass management. It also allows enterprises to mitigate risks associated with digital transformation.

Fortinet Secure SD-WAN key capabilities include:

Application Awareness

With traditional WAN solutions, organisations suffer a less than ideal quality of experience and have a hard time delivering high-performance bandwidth for critical applications. Fortinet Secure SD-WAN uses “first-packet identification” to intelligently identify applications on the very first packet of data traffic. This broad application awareness helps network teams see which applications are being used across the enterprise, enabling them to make well-informed decisions regarding SD-WAN policies. Fortinet Secure SD-WAN references an application control database of over 5,000 applications, a number that continues to grow as both the threat landscape and digital network evolve.

Multi-Path Control

Being application aware opens the doors to automated path intelligence—prioritising routing across network bandwidth based on the specific application and user. Offering a per-application-level SLA, Fortinet Secure SD-WAN automated path intelligence dynamically selects the best WAN

Fortinet Secure SD-WAN Solutions

- World's only ASIC Accelerated Secure SD-WAN
- 5,000+ application identification and steering
- Best user-experience based on WAN remediation
- Advance routing capabilities and WAN optimisation
- Best security posture with built-in NGFW

link/connection for the situation. FortiGate NGFWs that feature the new SOC4 application-specific integrated circuit (ASIC) enable the fastest application steering in the industry, including unrivaled application identification performance. This includes deep SSL/TLS inspection with the lowest possible performance degradation.

Zero-Touch Deployment

Organisations implementing Secure SD-WAN can leverage **FortiManager** to accelerate deployment, reducing the time it takes from days down to minutes. FortiManager zero-touch deployment capabilities enable FortiGate devices to be plugged in at a branch location and then automatically configured by FortiManager at the main office via broadband connection, thereby avoiding time and cost of truck rolls. Fortinet's approach can also leverage an existing SD-WAN configuration as a template to accelerate deployment of new branches and remote sites at scale.

A key feature of SD-WAN is its ability to deliver the cost-performance benefits of internet-based VPNs with the performance and agility of MPLS VPNs.

Key Benefits of Fortinet Secure SD-WAN



Next-Generation Firewall (NGFW) Security

The FortiGate NGFW delivers integrated SD-WAN networking and security capabilities in a single device.



Multi-Cloud Application Performance

Application identification, multi-path control, and application steering ensure that organizations can access all critical applications in the cloud.



Centralised Management

Fortinet Secure SD-WAN is completely managed from a central location through a single-pane-of-glass console, offering transparent visibility across the network.



Low TCO

FortiGate Secure SD-WAN is less expensive and delivers both networking and security in the same solution for as much as 50% better TCO versus architectures with separate security and networking devices.

Optec Services for FortiGate Secure SD-WAN

The growth of technologies such as public and private clouds and software-defined wide-area networks (SD-WAN) has resulted in increasingly complex IT networks at almost every organisation. At the same time, cybersecurity threats have become more sophisticated and fast-moving. That's why we offer a full range of services to help you simplify and secure your IT infrastructure.

As a **Fortinet Expert MSSP Partner**, our experienced services team can provide you with the expert knowledge to design and deliver the optimal security solution for your organisation. Our security specialists can support you with Secure SD-WAN installation, configuration, maintenance, troubleshooting, management, and more.

Have questions? Get in touch with us on **01280 878597** or email **sales@optec.co.uk**.

Optec Services

- Installation
- Configuration
- Consultancy
- Cybersecurity Recommendations
- Vulnerability Assessments
- Support
- Managed Services