

SOLUTION BRIEF

Revolutionize Remote ATM Secure Connectivity with FortiGate Rugged 70G with Integrated Dual 5G Modem

Executive Summary

Financial institutions deploying remote automated teller machines (ATMs) in challenging environments, such as malls, stadiums, and other locations with extreme heat and cold, require a robust networking and security solution.

The FortiGate Rugged 70G appliance revolutionizes the deployment of remote ATMs by consolidating networking, security, and wireless WAN functions in a hardy, weather-resistant appliance. This Fortinet solution overcomes legacy challenges and allows thousands of remote ATMs to easily be deployed.

Legacy Solution Challenges

The existing ATM point-to-point connectivity solutions are limited in flexibility, adaptability, and scalability. Further, they do not include key security integration, fail in harsh environmental conditions, and lack intelligent traffic steering, 5G wireless integration, and analytics and reporting. These solutions also require more resources to deploy and manage them.

FortiGate Rugged 70G Optimizes Connectivity and Security for Remote ATMs

The FortiGate Rugged 70G appliance delivers capabilities for securing the edge and optimizing connectivity. The appliance is software-defined and simplifies and accelerates the deployment and operation of thousands of remote ATMs.

Key Capabilities

Rugged design

Fortinet is a leader in ruggedized NGFWs, designed to withstand heat, cold, dust, vibration, and other severe environmental conditions. The elements of ruggedized design include electromagnetic interference compatibility, a wide operating temperature band (-20 to +75C), and shock and vibration characteristics (50G anti-shock and 5–500 MHz anti-vibration), including additional environmental considerations.

Dynamic connectivity, easy management

Optimize ATM connections with intelligent and dynamic routing through SD-WAN and quality-of-service rules, ensuring efficient data transfer based on real-time network conditions. You can also centrally manage and orchestrate ATM connectivity, simplifying network administration and configuration.

High availability, flexibility, and mobility

Eliminate the need to deploy additional units with the integrated dual 5G modem that allows for rapid deployment and relocation of ATMs, ideal for temporary setups and events. In addition, with integrated 5G connectivity, you can provide high-speed, low-latency wireless connections to ATMs, eliminating the constraints of traditional wired infrastructure.



The FortiGate Rugged 70G appliance features a unified and ruggedized solution that seamlessly integrates:

- SD-WAN
- Next-generation firewall (NGFW) controls
- AI-powered threat protection
- Wi-Fi
- A ZTNA application gateway
- NAC
- Segmentation
- Dual 5G SIM modem wireless WAN functions



Enhanced performance and user experience

Facilitate real-time financial transactions with the low-latency capabilities of 5G, ensuring swift and responsive ATM interactions. Plus, enhance the user experience with advanced WAN remediation techniques, guaranteeing optimal application performance.

Reliability and redundancy

Ensure uninterrupted ATM services with automatic failover between multiple network paths, enhancing reliability in case of network disruptions. Fortify the ATM network further against downtime and ensure continuous operations by leveraging the redundant nature of 5G connectivity.

Security

Safeguard financial transactions with end-to-end encryption, protecting customer data and ensuring the integrity of sensitive information. Integrated threat protection is embedded within the solution to proactively detect and mitigate potential security threats, protecting the ATM network against cyberattacks.

Centralized management, monitoring, analytics, and reporting

Simplify network operations with centralized management and monitoring of thousands of remote ATM locations via one unified dashboard. Gain insights into the network in real time. Make informed decisions with enhanced analytics, logs, and reporting covering network performance, usage patterns, and security events.

Conclusion

Fortinet delivers a unique solution for remote ATMs that offers you unparalleled speed, reliability, and security. Elevate your remote ATM network with this transformative solution and position your financial institution at the forefront of technological innovation. The FortiGate Rugged 70G is a flexible and innovative solution for supporting previously unsupported and diverse use cases.



www.fortinet.com