THE INEVITABLE SHIFT
Upgrading to 5G-Enabled Laptops for a Secure, Uninterrupted Enterprise

EXECUTIVE SUMMARY

The modern enterprise thrives on seamless connectivity and real-time data access. However, traditional Wi-Fi-only laptops present limitations in security, reliability, and futureproofing. Here we will explore the challenges of Wi-Fi dependence and introduce 5G-enabled laptops with T-Mobile's service as a robust solution. We will delve into the technical aspects of Microsoft's Windows 11 Copilot+ laptops, highlighting their reliance on consistent network connectivity for optimal AI performance. Furthermore, we'll discuss T-Mobile's extensive 5G coverage and their partnership with Versa, enabling clientless Secure Access Service Edge (SASE) directly on the SIM (physical and eSIM), fortifying security and streamlining remote access.

THE RISE OF AI-POWERED WORKFLOWS AND THE NEED FOR UNINTERRUPTED CONNECTIVITY

The latest iteration of Microsoft's operating system, Windows 11, introduces the Copilot+ feature, leveraging AI for enhanced productivity. Copilot+ relies heavily on constant network connectivity to analyze user behavior and deliver real-time suggestions, file management assistance, and intelligent automation. Without reliable internet access, Copilot+ functionality is compromised, hindering the full potential of these advanced laptops.

T-MOBILE'S 5G NETWORK - UNPARALLELED COVERAGE AND SPEED

T-Mobile boasts a nationwide 5G network with extensive coverage, offering superior speed and reliability compared to traditional Wi-Fi. This ensures consistent, high-bandwidth connectivity for seamless application usage, downloads, and real-time data exchange.

CHALLENGES AND RISKS OF WIFI ONLY LAPTOPS

Limited Coverage and Inconsistent Speeds
Wi-Fi relies on access points with finite range and potential congestion, leading to connectivity dead zones and fluctuating speeds. This disrupts workflows, particularly for bandwidth-intensive applications.

Security Vulnerabilities
Unsecured public Wi-Fi networks expose sensitive corporate data to potential breaches. Traditional VPN configurations can be cumbersome and introduce latency.

Downtime Risks
Reliance on a single Wi-Fi network creates a single point of failure. Network outages can cripple productivity and hinder real-time collaboration.

T-MOBILE FOR BUSINESS
ELITE PARTNER

D&H

T-MOBILE & VERSA: CLIENTLESS SASE ON SIM FOR ENHANCED SECURITY

T-Mobile's partnership with Versa Security empowers them to offer clientless SASE directly on the SIM (physical and eSIM). This eliminates the need for separate software installations, simplifying deployment and management. Clientless SASE integrates security measures directly into the network layer, providing constant protection regardless of the user's location or network. This simplifies access control and strengthens the enterprise' security posture.

TECHNICAL ADVANTAGES OF 5G-ENABLED LAPTOPS WITH T-MOBILE

Always-On Connectivity

5G offers superior uptime compared to Wi-Fi, ensuring uninterrupted access to cloud resources, business applications, and critical data for improved productivity.

Low Latency

5G significantly reduces latency, minimizing delays in data transfer and application response times, leading to a more responsive and efficient work experience.

Network Slicing

T-Mobile's 5G network offers network slicing capabilities, allowing dedicated bandwidth allocation for critical enterprise applications, guaranteeing consistent performance even during peak network usage.

Enhanced Security

Clientless SASE on SIM provides a robust layer of security, constantly monitoring and filtering network traffic for threats, regardless of the user's location or network connection. This mitigates risks associated with unsecured public Wi-Fi networks.

CONCLUSION

Upgrading to 5G-enabled laptops with T-Mobile service is a strategic investment. It ensures uninterrupted connectivity, maximizes the potential of AI-powered features like Microsoft's Copilot+, and prioritizes enterprise security through clientless SASE on SIM. This comprehensive solution empowers a truly mobile workforce, enhancing productivity, collaboration, and access to business-critical resources, ultimately driving the success of your organization.

To learn more about D&H and T-Mobile's 5G Connected laptop program contact your D&H rep.