MANAGED SOLUTIONS

Fact Sheet

CROWN CASTLE

Unified Threat Management

Today's organizations face an expanding array of cyber threats that demand a unified, intelligent approach to security—one that traditional, siloed solutions can't keep up with. As your network becomes more dynamic and distributed, you need consistent, centralized protection that adapts to wherever your users and data reside.

Our Unified Threat Management (UTM) is a value-add feature for your SASE solutions that provides an additional layer of advanced protection for your network. It integrates multiple security features into our scalable next-generation firewall (NGFW) platform, ensuring robust defense against evolving cyber threats. Whether you're connecting from a branch office, headquarters, home office or on the road, UTM provides consistent, high-level security to protect your data and applications.

Key benefits

Increased flexibility and scalability
Easily scales to support growing networks and evolving threats, with integrated security features like file filtering, IPS and malware protections that adapt as your organization expands.

Enhanced network security
We work with you to maximize security, keeping you safely connected across all your locations and wherever your employees work, with an average uptime of 99.999%.

Simplified network management
End-to-end visibility and control through a single pane of glass, making it easier to manage security policies and monitor threats across your network. Our dedicated experts work closely with your team, providing a best-in-class turn-up process and around-the-clock service for your trouble tickets, helping your organization operate at maximum efficiency.

Lower capital and operational expenses
Network and security requirements under a single software stack, allowing IT teams to focus on strategic work and avoid the inefficiency of investing in disparate products.

Key features

Application traffic conditioning
Includes forward error correction (FEC), packet cloning, packet striping, mean opinion score (MOS) detection, application steering, transport layer security (TELS) and TCP optimization.

Next-generation intrusion prevention (NGIPS)
Signature-based and anomaly-based detection and prevention, extensive coverage for vulnerabilities, dynamic updates, support for custom signatures and lateral movement detection.

Malware protection
Embedded antivirus (AV) and malware protection capabilities using multilayered techniques such as heuristics, signature matching, emulation and more, which are updated frequently—and configurable for real-time updates—from the cloud.

File filtering
Signature-based file type identification, scanning of multiple protocols and file hash comparison for efficient threat detection.

Technical specifications

UTM Additional Features	
Application traffic conditioning	**Antivirus**
Forward error correction (FEC)	Multiple file types
Packet cloning and declining	Multiple protocol detection – FTP, HTTP, SMTP, POP3, IMAP, MAPI
Packet stripping across SD-WAN path bundle	Compressed file type detection
CODEC support for voice and video flows	Nested compression
MOS score-based traffic engineering for video flows	Packet direction – client/server
MOS score-based traffic engineering for voice flows	**NGIPS**
DIA/DCA traffic optimizations for cloud SaaS sites	Vulnerability profiles by CVE ID/signature set/CVSS score/ packet direction/class
First packet-based traffic steering	Multiple vulnerability database reference
IPv6 support	OS/product-based
TCP optimization	Signature-based and protocol anomaly-based detection
TCP proxy for bookended or single-ended deployments	Packet capture for pre- and post-window
TCP SACK, window scaling and timestamping support	WAN circuit support
Intelligent TCP buffer management	L7 anomaly detection
Improved TCP loss recovery techniques	JavaScript anomaly detection
Integrated latest congestion control algorithms to manage congestion and random traffic loss	

Why Crown Castle?

Our unique, nationwide portfolio
With approximately 90,000 route miles of fiber, we own and operate one of the largest and densest fiber networks in the country with a presence in 23 of the top 25 US markets.

Our proven track record
In our 30 years of experience owning and operating network assets we've seen it all and we're always ready to adapt to changing network trends.

Our deep expertise
We've worked with nearly every industry so we understand your unique opportunities and challenges and can tailor solutions to meet your goals.

Our solutions
We have your networking and security needs covered. Visit our infrastructure solutions page to learn more about our suite of solutions and how they can solve your toughest challenges.

CROWN CASTLE

Crown Castle owns, operates and leases more than 40,000 cell towers and approximately 90,000 route miles of fiber supporting small cells and fiber solutions across every major US market. This nationwide portfolio of communications infrastructure connects cities and communities to essential data, technology and wireless service—bringing information, ideas and innovations to the people and businesses that need them.

For more information, please contact 1-888-891-5714 or visit **CrownCastle.com**

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