Capture Security appliance 1000

Fast and accurate on-prem, memory-based file analysis and malware detection

SonicWall Capture Security appliance™ (CS*a*) brings Capture Advanced Threat Protection™ (ATP) and sandboxing malware analysis to on-premises deployment scenario. This offers customers with compliance and policy restrictions against sending files to cloud analysis, or who prefer for all of their data to remain inside their organization, an ability to take advantage of the superior threat detection capabilities formerly offered only in the cloud.

HIGHLIGHTS

- Memory-based inspection with RTDMI
- Multi-Stage Analysis with reputation check, static analysis and dynamic analysis
- Management and File submission API
- Broad file type support
- Block Until Verdict support
- High security effectiveness
- Reporting and Role-Based Access
- Closed Network Support

SonicWall CS*a* Spec Preview. [View full specs »]

12,000 Files/Hr	2,500 Files/Hr	300 Files/Hr	100 MB	YES
Global Threat Lookup	Real-World File Mix Throughput	Dynamic Analysis Throughput	Max File Size	Closed Network Support

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DATASHEET

Equipped with Real-Time Deep Memory Inspection (RTDMI), CS*a* can detect and stop attacks using a wide range of file types by forcing malware to reveal its weaponry into memory.

The SonicWall Capture Security appliance™ (CS*a*) brings Capture Advanced Threat Protection™ (ATP) and sandboxing malware analysis to on-premises deployment scenario. This offers customers with compliance and policy restrictions against sending files to cloud analysis, or who prefer for all of their data to remain inside their organization, an ability to take advantage of the superior threat detection capabilities formerly offered only in the cloud. The CSa 1000 can analyze suspicious files coming from other SonicWall products to provide rapid, high accuracy detection of previously unseen threats, with the customer retaining custody of their files. Additionally, the REST API functionality on the CSa opens up the benefits of this highly effective file analysis capability to threat intelligence teams, third-party security systems and any software stack that can integrate with published APIs.

CS*a* analyzes a broad range of file types, including executable programs (PE), DLL, PDFs, MS Office documents, archives, JAR, and APK plus multiple operating systems including Windows, Android, and multi-browser environments.

The CS*a* uses a combination of reputation-based checks, static file analysis and SonicWall's patented Real-Time Deep Memory Inspection™ (RTDMI) engine for dynamic analysis. This ensures that it provides not only the best possible detection rate of malicious files, but also does this efficiently, in the shortest possible time. The SonicWall ecosystem of security products, already fully integrated with the cloud-delivered Capture ATP analysis, is able to enforce inline security with features such as Block Until Verdict. The same capabilities are supported when the SonicWall products are connected to the CSa series instead of the cloud Capture ATP.

RTDMI

SonicWall's patented Real-Time Deep Memory Inspection (RTDMI™) file analysis engine is a novel method of analyzing suspicious files by monitoring the behavior of an application in memory. RTDMI can see through any obfuscation or encryption techniques that modern malware may deploy to evade network and sandbox analysis – yielding extremely high-accuracy detection of attacks borne by documents, executables, archive files and a variety of other file types.

Real-time protection

The reputation and global intelligence checks, statics analysis, and RTDMI technology operate in concert to deliver results quickly enough to enable technologies like Block Until Verdict in SonicWall products. This capability enables a file inspection policy on the firewall that prevents end users from downloading suspicious files until a full inspection is completed and a verdict is reached by Capture ATP or CS*a*. With Closed Network support enabled, cloud-based reputation and intelligence checks are disabled.

Trusted by (and benefits from the experience of) many

- CS*a* brings the technology from SonicWall's Capture ATP, a cloud-based service trusted and used by over 200,000 customers across the globe, into an appliance form factor
- CS*a* also gets regular intelligence updates to synchronize with the threat intelligence gathered globally via SonicWall Capture ATP file analysis except when Closed Network support is enabled

Reporting, analysis and administration

- CS*a* offers insight into files submitted from all sources with an easy-to-navigate dashboard and file analysis history, providing an insight into the frequency, sources, verdicts and other insights around files submitted for analysis
- Reporting capabilities provide a global view into advanced threat protection across the organization, with the ability to schedule regular reports configured based on different roles
- Administrators can grant granular access to the CSa 1000 to a variety of roles, with the ability to restrict access to any part of the UI
- Security analysts can be given access to scanning history, with the ability to modify the allowed devices and allowlist/blocklist, as well as report any suspected false positives or false negatives
- Network-level administrators can be granted access to the operational configuration of the appliance while being restricted, for confidentiality reasons, from seeing the submitted files and their sources

CS*a* feature summary

- Reputation and Global Verdict lookup (configurable)
- Static analysis and dynamic analysis with RTDMI
- Allow/Block list for file hash or IP/Domain
- Configurable scheduled reporting
- Role-based administration
- Management - HTTPS/REST API via dedicated management interface or regular network interface
- Analysis of files up to 100MB
- False positive and false negative reporting with automatic whitelist/blacklist
- Rate limiting per file source
- Closed Network support
- REST API support for file submission and analysis
- Hardened OS with Secure Boot and chain of trust for anti-tampering
- Syslog and Local Logging

DEPLOYMENT OPTIONS

- SonicWall CS*a* deployment is quick and straightforward, requiring only configuration of basic networking, reporting and allowed device access to get started
- The CS*a* is built to be IP-addressable and can therefore be deployed anywhere, as long as it's reachable by devices that will submit files for analysis The CS*a* can also be deployed in closed or air-gapped networks

DEPLOYMENT OPTIONS

There are three primary deployment methods for the CS*a* 1000:

Single Office/Single Location

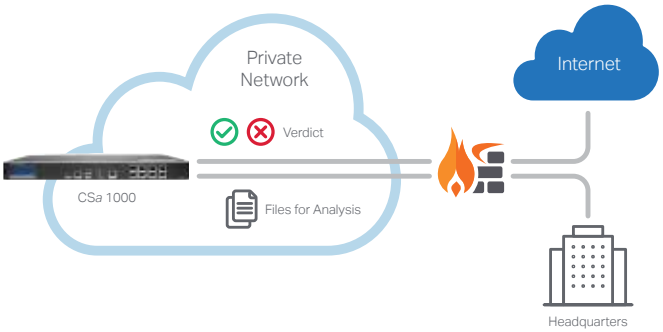
- The CS*a* can be deployed anywhere on the network as long as the submission sources that will use it can reach it via an IP*
- Once the CS*a* is deployed, the firewalls and email security systems (other solutions pending) can be configured to redirect suspicious files to the CS*a* rather than the cloud for ATP analysis

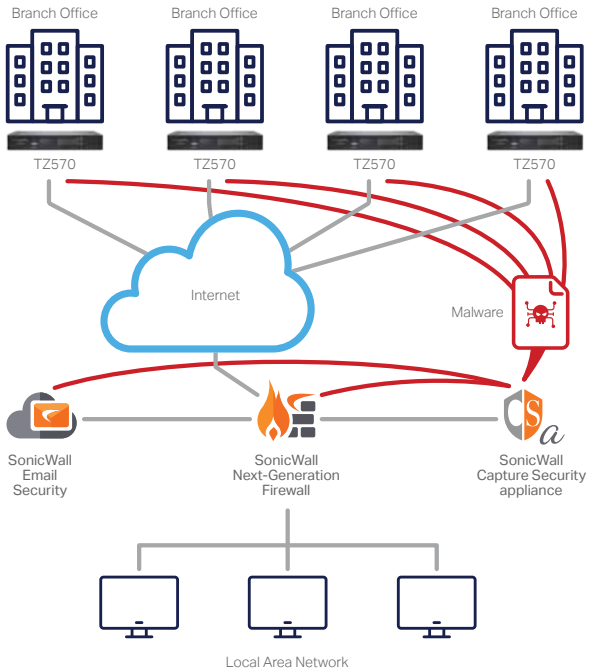
Distributed Enterprise/Multiple-Locations

- Multiple offices/branches can be configured to share access to a single CS*a* device, deployed either in the central HQ data center or in a remote datacenter reachable by all devices
- Access can be direct over the internet or via VPN
- Mass configuration of SonicWall systems to point to the CS*a* can be done with either GMS or the cloud-based NSM centralized management solutions for rapid configuration and deployment

REST API Gateway

- The CS*a* series has a REST API interface that can be used to submit files for analysis and query results by threat intelligence teams via their own scripts, web-portal integrations and other security products
- Code samples and instructions on how to get started with API scripting for the CS*a* are available at https://github.com/sonicwall





* SonicWall firewalls also require access via UDP on port 2259

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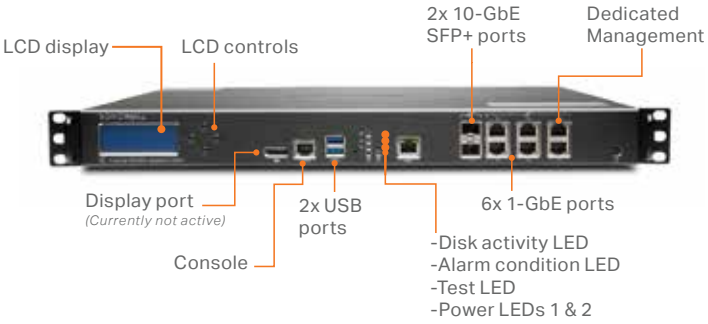

Features	CS*a* 1000
Reputation & Global Threat Lookup Throughput (Files per hour)[1]	12,000
Real-World File Mix Throughput (Files per hour)[1]	2,500
Dynamic Analysis (RTDMI) Throughput (Files per Hour)[1]	300
Max File Size	100 MB
Maximum Archive Scan Depth	3
REST API Support	Management and File Analysis
SonicWall devices supported	TZ, NS*a* & SuperMassive (running SonicOS 6.5.4.6/7.0.1 and above)[2] Email Security 10.X NS*sp* 15700 Series NS*v* Series (7.X and Above)
File types supported	.cpl .dll .drv .exe .elf .ocx .scr .sys .doc .dot .wbk .docx .docm .dotx .dotm .docb .xls .xlt .xlm .xlsx .xlsm .xltx .xltm .xlsb .xla .xlam .xll .xlw .ppt .pot .pps .pptx .pptm .potx .potm .ppam .ppsx .ppsm .sldx .sldm .o .dylib .bundle .dmg .pdf .jar .apk .rar .bz2 .bzip2 .7z .xz .gz .zip
VMs Supported	Windows 7 32/64, Linux 64
Data Retention Period	Unrestricted, limited by storage
Storage	2 x 1TB SSD (RAID 1)
Interfaces	(6)-port 1GE, (2)-port 10Gb SFP+, (2) USB, (1) console
Dedicated Port Management	Yes (X0)
Certifications	FIPS 140-2 Pending, ICSA

Product Characteristics	
Form factor	1U
Dimensions	17.0 x 16.5 x 1.75 in (43 x 41.5x 4.5 cm)
Appliance Weight	18.3 lbs (8.3 kgs)
Encryption data acceleration (AES-NI)	Yes
MTBF (@ 25°C or 77°F) in hours	129,601
Power	Dual power supply, hot swappable
Input rating	100-240 VAC, 1.79 A
Power consumption	114 W
Total heat dissipation	389 BTU
Environmental	WEEE, EU RoHS, China RoHS
Non-operating shock	110 g, 2 msec
Emissions	FCC, ICES, CE, C-Tick, VCCI; MIC
Safety	TUV/GS, UL, CE PSB, CCC, BSMI, CB scheme
Operating Temperature	0°C to 40°C (32°F to 104° F)
TPM	Yes

1. Analysis throughput dependent on network connectivity, file types and compression levels and may vary from published figures.
2. All TZ series, NSa series and SuperMassive series that can run SonicOS 6.5.4.6 or later. Not supported on SuperMassive 9800 and NSsp 12000 Series.

PARTNER ENABLED SERVICES

Need help to plan, deploy or optimize your SonicWall solution? SonicWall Advanced Services Partners are trained to provide you with world class professional services. Learn more at:

www.sonicwall.com/PES

Leverage the power of Real-Time Deep Memory Inspection (RTDMI) in your environment, visit:

www.sonicwall.com/products/capture-security-appliance

About SonicWall

SonicWall delivers Boundless Cybersecurity for the hyper-distributed era and a work reality where everyone is remote, mobile and unsecure. By knowing the unknown, providing real-time visibility and enabling breakthrough economics, SonicWall closes the cybersecurity business gap for enterprises, governments and SMBs worldwide. For more information, visit www.sonicwall.com or follow us on Twitter, LinkedIn, Facebook and Instagram.

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Datasheet-CaptureSecurityAppliance-COG-4569

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