Cisco esa c695 datasheet

I'm not robot!

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Each day, more than 100 billion corporate email messages are exchanged. As email use rises, security becomes an ever-greater priority. Cisco® solutions offer high availability email protection against the dynamic, rapidly changing threats affecting your organization. Features and Benefits Whether physical, virtual, cloud, or hybrid, our email security solutions are recognized as industry leaders that offer: ● Fast, comprehensive protection, often hours or days ahead of the competition ● One of the largest networks of threat intelligence, built on extensive collective security analytics from Cisco Talos ● Outbound message protection through on-device Data Loss Prevention (DLP) and email encryption ● Low total cost of ownership with a small footprint, easy implementation, and automated administration that yield savings for the long term Product Overview Today, spam and malware are part of a complex email security picture that includes inbound threats and outbound risks. The all-in-one Cisco Email Security Appliance offers simple, fast deployment, with low maintenance requirements, low latency, and low operating costs. Our set-and-forget technology frees your staff after the automated policy settings go live. The solution then automatically forwards security updates to Cisco's cloud-based threat intelligence database. Threat intelligence data is refreshed in the email appliance every 3 to 5 minutes, providing you with an up-to-date threat defense response hours or days before other vendors. Flexible deployment options and smooth integration with your existing infrastructure make this appliance an excellent fit for your business needs. Virtual Appliance The Cisco Email Security Virtual Appliance significantly lowers the cost of deploying email security, especially in highly distributed networks. This appliance lets your network manager create instances where and when they are needed, using your existing network infrastructure. A software version of the physical appliance, it runs on top of a VMware ESXi hypervisor and Cisco Unified Computing System™ (Cisco UCS®) servers. You receive an unlimited license for the virtual appliance with the purchase of any Cisco Email Security software bundle. With the virtual appliance, you can respond instantly to increasing traffic growth with simplified capacity planning. You don't need to buy and ship appliances, so you can support new business opportunities without adding complexity to a data center or having to hire additional staff. Main Capabilities You can defend your mission-critical email systems with physical, virtual, cloud, and hybrid solutions. Table 1 summarizes the major capabilities of our email security solutions. Forged Email Detection Forged Email Detection helps you block these customized attacks with a dedicated content filter. This feature provides detailed logs on all attempts and actions taken. Table 1. Main Capabilities Capability Description Global threat intelligence Get fast, comprehensive email protection backed by one of the largest threat detection networks in the world. Cisco provides broad visibility and a large footprint, including: ● 100 Terabytes (TB) of security intelligence daily ● 1.6 million deployed security devices including firewalls, Cisco IPS sensors, and web and email appliances ● 13 billion web requests per day ● 35 percent of the world's enterprise email traffic Cisco Talos provides a 24-hour view into global traffic activity. It analyzes anomalies, uncovers new threats, and monitors traffic trends. Talos helps prevent zero-hour attacks by continually generating rules that feed updates to the security appliances. These updates occur every 3 to 5 minutes, delivering industry-leading threat defense. Spam blocking Spam is a complex problem that demands a sophisticated solution. Cisco makes it easy. To stop spam from reaching your inbox, a multilayered defense combines an outer layer of filtering based on the reputation of the sender and an inner layer of filtering that performs a deep analysis of the message. With reputation filtering, more than 80 percent of spam is blocked before it even hits your network. Recent enhancements include contextual analysis and enhanced automation, as well as autoclassification, to provide a strong defense against snowshoe campaigns. Customers that experience large volumes of email within short periods will be able to apply filters based on the sender or subject, which will block the associated messages or place them in quarantine. Graymail detection and safe unsubscribe Graymail consists of marketing, social networking, and bulk messages. The graymail detection feature helps precisely classify and monitor graymail entering an organization. An administrator can then take appropriate action on each category. Often graymail has an unsubscribe link that lets end users can indicate to the sender that they would like to opt out of receiving such emails. Because mimicking a unsubscribe mechanism is a popular phishing technique, users should be wary of clicking these unsubscribe links. The safe unsubscribe solution provides: ● Protection against malicious threats masquerading as unsubscribe links ● A uniform software for managing all subscriptions ● Better visibility for email administrators and end users into such emails Advanced Malware Protection Cisco Email Security Appliance now includes Cisco Advanced Malware Protection. It offers file reputation scoring and blocking, static and dynamic file analysis (sandboxing), and file retrospection for the continuous analysis of threats, even after they have traversed the email gateway. Users can block more attacks, track suspicious files, mitigate the scope of an outbreak, and remediate quickly. Advanced Malware Protection is available to all Email Security Appliance customers as an additionally licensed feature. The Cisco AMP Threat Grid delivers malware protection through an on-premises appliance for organizations that have compliance or policy restrictions on submitting malware samples to the cloud. The AMP system can now be deployed completely on premise with the AMP private cloud license. This is important for customers who have stringent policy requirements that do not allow for the use of the AMP public cloud, yet they continue benefitting from the AMP public cloud updates. Auto remediation of malware for Office 365 customers with AMP, retrospective security helps remediate breaches faster and with less effort. Customers simply set their email security to take automatic actions on those infected emails. Outbreak filters Outbreak filters defend against emerging threats and blended attacks. They can issue rules on any combination of six parameters, including file type, file name, file size, and URLs in a message. As Talos learns more about an outbreak, it can modify rules and release messages from quarantine accordingly. Outbreak filters can also rewrite URLs linked in suspicious messages. When clicked, the new URLs redirect the recipient through the Cisco Web Security proxy. The website content is then actively scanned, and outbreak filters will display a block screen to the user if the site contains malware. Web interaction tracking A fully integrated solution allows IT administrators to track the end users who click URLs that have been rewritten by the Email Security Appliance. Reports show: ● Top users who clicked malicious URLs ● The top malicious URLs clicked by end users ● Date and time, rewrite reason, and action taken on the URLs The admin can also trace back to all the messages containing the particular URL. Outbound message control Email Security Appliances control outbound messages through DLP, email encryption. This control helps ensure that your most important messages comply with industry standards and are protected in transit. Additionally, outbound antispam and antivirus scanning, along with outbound rate limiting, can be used to keep compromised machines or accounts from getting your company on email blocked lists. New: The Email Security Appliance now supports Secure/Multipurpose Internet Mail Extensions (S/MIME) encryption and signing in addition to Transport Layer Security (TLS). Forged Email Detection Forged Email Detection protects against spoofed attacks, which focus on executives also known as high-value targets. Forged Email Detection helps you block these customized attacks with a dedicated content filter. This feature provides detailed logs on all attempts and actions taken. Excellent performance The security appliances quickly block new inbound email viruses. Domain delivery queues keep undeliverable emails from causing a backup of critical deliveries to other domains. This solution offers an industry-leading spam catch rate greater than 99.9 percent and false positive rate of less than 1 in 1 million. DLP Choose from an extensive policy library of more than 100 expert policies covering government, private sector, and company-specific regulations to help prevent confidential data from leaving the network. If you prefer, you can use parts of those predefined policies to create your own custom policies. Our Cisco Email Security DLP engine uses pre-tuned data structures along with your own optional data points such as words, phrases, dictionaries, and regular expressions to quickly create accurate policies with few false positives. The DLP engine scores violations by severity, so you can apply different levels of remediation to fit your needs. Remediation choices include encrypting, adding footers and disclaimers, adding Blind Carbon Copies (BCCs), notifying, and quarantining. Low cost A small footprint, an easy setup, and the automated management of updates mean savings for the life of your email security solution. Cisco's solution has one of the lowest TCOs available. Flexible deployment All Cisco email security solutions share a simple approach to implementation. The system setup wizard can handle even complex environments and will have you up and protected in just minutes, making you safer, fast. Licensing is user based, not device based, so you can apply it per user instead of per device to provide inbound as well as outbound email gateway protection at no additional cost. This capability lets you scan outbound messages with antispam and antivirus engines to fully support your business needs. The virtual appliance offers all the same features as the physical appliance, with the added convenience and cost savings of a virtual deployment model. It offers instant self-service provisioning. With a Cisco Email Security Virtual Appliance license, you can deploy email security gateways in your network without Internet connections. This license has purchased software licenses embedded in it. You can apply licenses at any time to a new virtual image file stored locally. Pristine virtual image files can be cloned if needed, giving you the ability to deploy several email security gateways immediately. You can run hardware and virtual email security solutions in the same deployment. So your small branch offices or remote locations can have the same protection you get at headquarters without the need to install and support hardware at those locations. You can easily manage custom deployments with the Cisco Content Security Management Appliance or Cisco Content Security Management Virtual Appliance. Solutions that fit your business Cisco Cloud Email Security is a comprehensive and highly reliable service with software, computing power, and support. The co-managed user interface is identical to that of the Cisco physical and virtual email security appliances. You therefore get outstanding protection with little administrative overhead and no onsite hardware to monitor and manage. Microsoft Office 365 customers can also get the same industry-leading protection with Cloud Email Security for Office 365. This solution is easy to deploy, and you can count on guaranteed reliability through multiple resilient data centers for the highest levels of service availability and data protection. The hybrid solution gives you advanced outbound control of sensitive messages on site while helping you take advantage of the cost-effective convenience of the cloud. You can also change the number of on-premises versus cloud users at any time throughout the term of your contract, assuming the total number of users does not change. This allows for deployment flexibility as your organization's needs change. On-premises hardware and virtual appliances come ready to plug in. You can choose the model that works best for your environment to protect inbound and outbound messages at your gateway. Product Specifications Table 2 presents the performance specifications for the Email Security Appliance, Table 3 presents the hardware specifications for the appliance, Table 4 presents the specifications for the virtual appliance, and Table 5 presents the specifications for the Security Management Appliance. Table 2. Email Security Appliance Performance Specifications Deployment Model Disk Space RAID Mirroring Memory CPUs Large enterprise ESA C690 2.4 TB (600 x 4) Yes (RAID 10) 32 GB DDR4 2 x 2.4 GHz, 6 core Large enterprise ESA C690X 4.8 TB (600 x 8) Yes (RAID 10) 32 GB DDR4 2 x 2.4 GHz, 6 core Large enterprise ESA C680 1.8 TB (300 x 6) Yes (RAID 10) 32 GB DDR4 3 x 2.0 GHz, 6 core Medium-sized enterprise ESA C390 1.2 TB (600 x 2) Yes (RAID 1) 16 GB DDR4 1 x 2.4 GHz, 6 core Medium-sized enterprise ESA C380 1.2 TB (600 x 2) Yes (RAID 1) 16 GB DDR3 1 x 2.0 GHz, 6 core Small to midsize businesses or branch offices ESA C190 1.2 TB (600 x 2) Yes (RAID 1) 8 GB DDR4 1 x 1.9 GHz, 6 core Small to midsize businesses or branch offices ESA C170 500 GB (250 x 2) Yes (RAID 1) 4 GB DDR3 1 x 2.8 GHz, 2 core Note: For accurate sizing, verify your choice by checking the peak mail-flow rates and average message size with a Cisco content security specialist. Table 3. Email Security Appliance Hardware Specifications Model ESA C690 ESA C690X ESA C680 ESA C390 ESA C380 ESA C190 ESA C170 Rack Units (RU) 2RU 2RU 2RU 1RU 1RU 1RU 1RU Dimensions (H x W x D) 3.4 in. x 19 in. x 29 in. (8.6 x 48.3 x 73.7 cm) 3.4 in. x 19 in. x 29 in. (8.6 x 48.3 x 73.7 cm) 3.5 x 19 x 29 in. (8.9 x 48.3 x 73.7 cm) 1.7 in. x 19 in. x 31 in. (4.3 x 48.3 x 78.7 cm) 3.5 x 19 x 29 in. (8.9 x 48.3 x 73.7 cm) 1.7 in. x 19 in. x 31 in. (4.3 x 48.3 x 78.7 cm) 1.67 in. x 16.9 in. x 15.5 in. (4.24 x 42.9 x 39.4 cm) DC power option Yes (930W) Yes (930W) Yes (930W) No No (930W) No No Remote power cycling Yes Yes Yes Yes Yes No Redundant power supply Yes Yes Yes Yes Yes, accessory option No Hot-swappable hard disk Yes Yes Yes Yes Yes Yes Yes Power Consumption 2216.5 BTU/hr 2216.5 BTU/hr 2216.5 BTU/hr 2626 BTU/hr 2216.5 BTU/hr 2626 BTU/hr Power Supply 650W 650W 770W 650W 770W 400W Ethernet interfaces 6-port 1GBASE-T copper network interface (NIC), RJ-45 6-port 1GBASE-T copper network interface (NIC), RJ-45 6-port 1GBASE-T copper network interface (NIC), RJ-45 2-port 1GBASE-T copper network interface (NIC), RJ-45 Speed (Mbps) 10/100/1000, autonegotiate 10/100/1000, autonegotiate 10/100/1000, autonegotiate 10/100/1000, autonegotiate 10/100/1000, autonegotiate 10/100/1000, autonegotiate 10/100/1000, autonegotiate Fiber option Yes, separate SKUs 2-port 1GBASE-SX Fiber: ESA-C690-1G 2-port 10GBASE-SR Fiber: ESA-C690-10G Yes, separate SKUs 2-port 1GBASE-SX Fiber: ESA-C690-1G 2-port 10GBASE -SR Fiber: ESA-C690-10G Yes, separate SKUs 2-port 1GBASE-SX Fiber: ESA-C680-1G 2-port 10GBASE -SR Fiber: ESA-C680-10G No No No No HD Size Four 600 GB hard disk drives (2.5" 10K SAS 4Kn) are installed into front-panel drive bays that provide hot-swappable access for SAS drives Eight 600 GB hard disk drives (2.5" 10K SAS 4Kn) are installed into front-panel drive bays that provide hot-swappable access for SAS drives C380 Email Security appliance includes two (2) 600 G HDDs Two 600 GB hard disk drives (2.5" 10K SAS 4Kn) are installed into front-panel drive bays that provide hot-swappable access for SAS drives 250 GB, RAID 1 CPU Two E5-2620 v3 processor Two E5-2620 v3 processor Two Intel Xeon E5-2620 Series processors (2.0 G, 6C) One E5-2609 v3 processor 1x2 (1 Dual Core) RAM Four 8GB DDR4-2133 DIMM1 Four 8GB DDR4-2133 DIMM1 Eight (8) 4 GB DDR3-1600-MHz RDIMM DRAM Two 8GB DDR4-2133 DIMM1 Four (4) 4 GB DDR3-1600-MHz RDIMM DRAM One 8GB DDR4-2133 DIMM1 4 GB Table 4. Email Security Virtual Appliance Specifications Email Users Model Disk Memory Cores Evaluations only ESAV C000v 200 GB (10K RPM SAS) 4 GB 1 (2.7 GHz) Small enterprise (up to 1000 employees) ESAV C100v 200 GB (10K RPM SAS) 6 GB 2 (2.7 GHz) Medium-sized enterprise (up to 5000 employees) ESAV C300v 500 GB (10K RPM SAS) 8 GB 4 (2.7 GHz) Large enterprise or service provider ESAV C600v 500 GB (10K RPM SAS) 8 GB 8 (2.7 GHz) Servers Cisco UCS VMware ESXi 5.0, 5.1 and 5.5 Hypervisor Table 5. Security Management Appliance M-Series Platform Specifications Model SMA M690/690X/680 SMA M390/380 SMA M190/M170 Number of users 10,000 or more Up to 10,000 Up to 1,000 Where to Deploy You can deploy our email security solutions: ● On premises: The Email Security Appliance is a gateway typically deployed in a network edge outside the firewall (the so-called demilitarized zone). Incoming Simple Mail Transfer Protocol (SMTP) traffic is directed to the appliance's data interface according to specifications set by your mail exchange records. The appliance filters it and redelivers it to your network mail server. Your mail server also directs outgoing mail to the data interface, where it is filtered according to outgoing policies and then delivered to external destinations ● Virtual: With Cisco UCS running in your small branch office, you could host the virtual appliance with other Cisco products such as the Cisco Web Security Virtual Appliance. Together, they provide the same level of protection as their hardware equivalents but save you money on space and power resources. You can centrally manage this custom deployment with the Secure Management Appliance or virtual appliance Options for Cloud Security Cisco Cloud Email Security provides you with a flexible deployment model for email security. It helps you reduce costs with co-management and no onsite email security infrastructure. Cisco Hybrid Email Security gives you the benefits of Cloud Email Security and provides advanced outbound control of encrypting messages and onsite DLP. This hybrid solution lets you transition to a cloud solution at your own pace. Upon purchase of any necessary hardware, you receive an unlimited license of AMP Threat Grid. And the AMP system, along with the Threat Grid appliance, can now be deployed completely on premises with the AMP private cloud license. This is important for customers who have stringent policy requirements that do not allow for use of the AMP public cloud. Graymail safe unsubscribe Graymail now can be tagged with a truly safe "unsubscribe" option. This tag manages a highly secure "unsubscribe" action on behalf of the end user. It also monitors the different graymail unsubscribe requests. All these can be managed at an LDAP group policy level. Software License Agreements The Cisco End-User License Agreement and the Web Security Supplemental End-User License Agreement are provided with each software license purchase. Software Subscription Support All email security licenses include software subscription support that is essential to keeping business-critical applications available, highly secure, and operating at peak performance. This support entitles you to the services listed below for the full term of the purchased software subscription. ● Software updates and major upgrades keep applications performing at their best, with the most current features ● The Cisco Technical Assistance Center provides fast, specialized support ● Online tools build and expand in-house expertise and boost business agility ● Collaborative learning provides additional knowledge and training opportunities Cisco Services Table 7 summarizes the Cisco Services available for our email security solutions. Table 7. Cisco Services Service Description Cisco branded services ● The Cisco Security Planning and Design Service helps you deploy a strong security solution quickly and cost-effectively ● The Cisco Security Configuration and Installation Remote Service mitigates security risks by installing, configuring, and testing your solution ● The Cisco Security Optimization Service supports an evolving security system to meet new security threats, with design, performance tuning, and support for system changes Collaborative and partner services ● The Cisco Collaborative Professional Services Network Device Security Assessment Service helps maintain a hardened network environment by identifying security gaps ● The Cisco Smart Care Service keeps your business running at its best with proactive monitoring using intelligence from highly secure visibility into a network's performance ● Cisco partners also provide a wide range of additional services across the planning, design, implementation, and optimization lifecycle Cisco financing Cisco Capital® can tailor financing solutions to business needs. Acquire Cisco technology faster and see the business benefits sooner. Cisco Smart Net Total Care Support Services To get the most value from your technology investment, you can purchase the Cisco Smart Net Total Care™ Service for use with the email security appliances. The service helps you resolve network problems quickly with direct, anytime access to Cisco experts, self-help support tools, and rapid hardware replacement. For more information, visit . How to Evaluate Cisco Email Security Appliances The best way to understand the benefits of the Cisco Email Security Appliance C-Series and X-Series platforms is to participate in the Try Before You Buy program. To receive a fully functional evaluation appliance to test in your network, free for 45 days, visit this page. How to Evaluate the Cisco Cloud Email Security Services The cloud-based solution is a reliable, all-inclusive service that provides a flexible deployment model for email security. It reduces your personal costs with co-management and no onsite email security infrastructure. Your Cisco account team or reseller can assist you in setting up a free evaluation. How to Evaluate the Cisco Email Security Virtual Appliance 1. Go to . 2. Under "Support" on the right side, click "Software Downloads, Release and General Information." Click "Download Software"; then click the link for any model to see the downloadable virtual machine images available. You will also see a downloadable XML evaluation license. You will need to download one of the images and the XML evaluation license. 3. Download the following documentation from Cisco.com: a. Cisco Security Virtual Appliance Installation Guide b. Release Notes for Cisco AsyncOS 9.5 for Email 4. Follow the instructions in the Cisco Security Virtual Appliance Installation Guide to get started. Please note that Cisco Content Security Virtual Appliance evaluations are not covered under the Cisco Smart Net Total Care Service and are therefore unsupported. Warranty Information Find warranty information on Cisco.com at the Product Warranties page. Why Cisco? Security is more critical to your network than ever before. As threats and risks persist, along with concerns about confidentiality and control, security is necessary for providing business continuity, protecting valuable information, and maintaining brand reputation. Cisco's integrated security solutions embedded in the fabric of your network give you heightened visibility and control to protect your business without disruption. Our market leadership, advanced threat protection before, during, and after an attack, innovative products, and longevity make us the right vendor to serve your security needs. Cisco Capital Financing to Help You Achieve Your Objectives Cisco Capital financing can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. Learn more. For More Information

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