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Cisco firepower 4100 data sheet

Description: The Request to AttachCisco Firepower 4150 is a family of four NGFW security platforms focused on threats. Their through through through-the-range resolves data center use cases and internet edge. They provide superior threat defense, at a faster rate, with a smaller footprint. Cisco Firepower 4100 Series supports flow loading, programmed mediation, and security services management with RESTful APIs. Network Equipment Building Standards (NEBS) are supported by the Cisco Firepower 4120 platform. Cisco Firepower 4150 Product ImageCisco Firepower 4150 Data SheetNGFWv4110412041404150Remanance: FW + AVC 1024B8.5 Gbps12 Gbps20 Gbps20 Gbps20 Gbps20 Gbps20 Gbps25 Gbps Performance: FW + Carrera + IPS (1024s)8.5 Gbps10 Gbps15 Gbps20 Gbps Maximum Simultaneous Session, with AVC3.0 million9 million15 million25 millionMore new connections per second, with AVC40,00068,000120,000160,000TLs (Hardware Decoding)1.2 Gbps4.5 Gbps7.1 Gbps7.3 Gbps IPsec VPN Performance (1024B TCP with fast path)3 Gbps6 Gbps10 Gbps13 GbpsMCO VPN pairs1000010001500020000 Cisco Firepower Device Manager (Local Administration)si-Cisco Firepower 4150 Information order/FPR4110-BUNCisco Firepower 4110 Master Package, for ASA or Cisco Firepower Threat Defense ImageFPR4120-BUNCisco Firepower 4120 Master Package, for ASA or Cisco Firepower Threat Defense ImageFPR4140-BUNCisco Firepower 4140 Master Package, for ASA or Cisco Firepower Threat Defense ImageFPR4150-BUNCisco Firepower 4150 Master Package, for ASA or Cisco Firepower Threat Defense Image Part Number (Alternative Network Module)DescriptionFPR4K-NM-8X10G ? SFP + 8-Port Cisco Firepower Replacement Network ModuleFPR4K-NM-4X40G HardwareConsume parts ordering accessories, including racks, replacement fan, Power and solid state drive (SSD)Optional ASA software licenseDescriptionL-F4K-ASA-COCHeli precision to add the security features of the asal-FPR4K-ENCR-K9License action to enable ASA-secure encryption on Cisco Firepower 4100 SeriesL-FPR4K-ASASC-10Cisco Firepower 4100 Add 10 Security Context LicensesCisco Firepower 4100 Select NGFWL-FPR4110T-TMC Series - Licenses Cisco Firepower 4110 Threat Defense Threat, Malware and LICENSE URLL-FPR4120T-TMC Cisco Firepower 4120 Threat Defense Threat, Malware, and URLL-FPR4140T-TMC license cisco firepower 4140 threat defense threat, malware, and URLL-FPR4150T-TMC license Cisco Firepower 4150 Threat Defense Threat, Malware, and URLCisco FirePower License 41501S t , Other Threat Blocking: Block known and unknown threats with the industry's most effective threat prevention features.2Dakota, Providing in-depth visibility and control over users, apps, devices, threats, and vulnerabilities la red.3rd Reduzca el tiempo de detección de malware de meses a horas y consiga soluciones más chaidas para una detección y respuesta más idas4th, la red.3rd Reduzca el tiempo de detección de malware de meses a horas y consiga soluciones más chaidas para una detección y respuesta más mónidas4th, Todas las funciones de seguridad en unaGestonar la interfaz, reducir la complejidad y simplificar las operaciones5th, Integre con otras soluciones de red y seguridad de Cisco para hacer que su red sea más valiosaLo siento, no o archivos adjuntos disponibles! 1-20 of 23 Displays 10 15 20 25 Pages: Page 2 21-23 of 23 Displays 10 15 20 25 Pages: Cisco Firepower 4100 Series Devices Cisco Firepower 4100 Series is a family of seven threats focused on the NGFW security platform. Their through through-the-range resolves data center use cases and internet edge. They provide superior threat defense, at a faster rate, with a smaller footprint. Cisco Firepower 4100 Series supports flow loading, programmed mediation, and security services management with RESTful APIs. Network Equipment Building Standards (NEBS) are supported by the Cisco Firepower 4120 platform. 4100 Series platforms can run Cisco ASA Firewall or Cisco Firepower Threat Defense (FTD) software. Cisco Firepower 4100 Series model overview summary: Model Firewall NGFW NGIPS Interfaces Optional interface FPR-4110 35G 11G 15G 8 x SFP + on-chassis 2 x NMs: 1/10/40G, FTW FPR-4112(New) 40G 12.5G 15G 8 x SFP + on-chassis 2 x NMs: 1/10/40G, FTW FPR-4115 80G 26G 27G 8 x SFP+ on-chassis 2 x NMs: 1/10/40G, FTW FPR-4120 60G 19G 27G 8 x SFP+ on-chassis 2 x NMs: 1/10/40G, FTW FPR-4125 90G 35G 41G 8 x SFP+ on-chassis 2 x NMs: 1/10/40G, FTW FPR-4140 70G 27G 38G 8 x SFP+ on-chassis 2 x NMs: 1/10/40G, FTW FPR-4145 80G 45G 55G 8 x SFP + on-chassis 2 x NMs: 1/10/40G, FTW FPR-4150 75G 39G 52G 8 x SFP + on-chassis 2 x NMs : 1/10/40G, FTW Detailed Performance Specifications and Featured Features Table 1. Performance specifications and outstanding features for the Firepower 4100 with Cisco Firepower Threat Defensive Image Features 4110 4112 4115 4120 4125 41.40 414 Through through through 4150: FW + AVC (1024B) 13 Gbps 14 Gbps 27 Gbps 22 Gbps 40 Gbps 32 Gbps 5.3 Gbps Through through 45 Gbps: FW + AVC + IPS (1024B) 11 Gbps 12.5 Gbps 26 Gbps 19 Gbps 35 Gbps 27 Gbps45 Gbps 39 Gbps Maximum simultaneous session, with AVC 10 million 10 million 15 million 15 million 25 million 25 million 30 million 30 million New connections maximum per second, with AVC 64K 85K 200K 118K 265K 172K 350K 263K TLs (Hardware Decoding)1.4.5 Gbps 4.5 Gbps 6.5 Gbps 7.1 Gbps 8 Gbps 7.3 Gbps 10 Gbps 7.5 Gbps Through Volume : NGIPS (1024B) 15 Gbps 15 Gbps 27 Gbps 27 Gbps 41 Gbps 38 Gbps 55 Gbps 52 Gbps IPsec VPN Through through (1024B TCP w/Fastpath) 6 Gbps 6.5 Gbps 8 Gbps 10 Gbps 10 Gbps14 Gbps 13 Gbps 18 Gbps 14 Gbps Maximum VPN Peers 10,000 10,000 15,000 20,000 20,000 20,000 Multi-instance capable of centrally managing Configurable Configurable logs, monitoring logs, and reports made by the Management Center or otherwise in the cloud with cisco Defense Orchestrator Orchestrator Visibility and Control Standards (AVC), which supports more than 4000 applications, as well as AVC geo location, users, and websites: OpenAppID support for custom, open source, Cisco Security Smart Standards, with Information on IP Threats, URLs, and DNS Cisco Firepower NGIPS Available; can passively detect end points and infrastructure for threat correlations and cisco AMP for Networks Available IoC information; enables the detection, prevention, monitoring, analysis and prevention of targeted and continuous malware, addressing the continuity of attacks both during and after attacks. The integrated threat correlation with Cisco AMP for Endpoints is also available Cisco AMP Threat Grid sandboxing Available URL Filtering: number of categories More than 80 URL Filtering: number of URL categorized More than 280 million Automated threat feed and IPS signature updates Yes: class-leading Collective Security Intelligence (CSI) from the Cisco Talos Group (Third-party and open-source Open API for integrations with third-party products; Snort® openAppID community resources for new and specific threats High usability and clustering operation/standby. Cisco Firepower 4100 Series enables teams of up to 6 Cisco Trust Anchor Technologies Firepower 4100 Series platform chassis including Trust Anchor Technologies to secure supply chain and image software. NOTE: Performance will vary depending on activation features, and network traffic protocol combinations, and package size characteristics. Performance may vary with new software releases. Consult your Cisco representative for detailed size instructions. 1 Through through throughrometer is measured by traffic: TLS 1.2 50% with AES256-SHA with keys RSA 2048B Table 2. ASA Performance and capabilities on Firepower 4100 appliances Features 4110 4112 4115 4120 4125 4140 4145 4150 Stateful inspection firewall throughput: 35 Gbps 40 Gbps 80 Gbps 60 Gbps 80 Gbps 70 Gbps 80 Gbps 75 Gbps Stateful inspection firewall throughput (multiprotocol)2 15 Gbps 30 Gbps 40 Gbps 30 Gbps 45 Gbps 40 Gbps 50 Gbps 50 Gbps Concurrent firewall connections 10 million 10 million 15 million 15 million 25 million 25 million 40 million 35 million Firewall latency (UDP 64B microseconds) 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 New connections per second 150,000 400,000 848K 250,000 1.1 million 350,000 1.5 million 800,000 IPsec VPN throughput (450B UDP L2L test) 8 Gbps 9 Gbps 15 Gbps 10 Gbps 19 Gbps 14 Gbps 23 Gbps 15 Gbps Maximum VPN Peers 10,000 10,000 15,000 20,000 20,000 20,000 20,000 20,000 Security contexts (included; maximum) 10; 250 10; 250 10; 250 10; 250 10; 250 10; 250 10; 250 10; 250 High Operational/Active and Operational/Backup Capabilities Cluster up to 16 Devices Scalable VPN Load Balancing, Firewall Clustering, Centrally Manage Central configuration, logs, monitoring, and reporting made by Security Security or otherwise in the cloud with Cisco Defense Orchestrator Adaptive Security Device Manager Based on the Web, local management for small-scale deployment 1 Through through through metered by user Datagram Protocol (UDP) traffic 1500B measured under ideal testing conditions. 2 Multiprotocol refers to a traffic record consisting mainly of TCP-based protocols and applications such as HTTP, SMTP, FTP, IMAPv4, BitTorrent, and DNS. 3 In unclustered configuration. Hardware Specifications Table 3. Cisco Firepower 4100 Series Hardware Specifications Features 4110 4112 4115 4120 4125 4140 4145 4150 Dimensions (H x W x D) 1.75 x 16.89 x 29.7 in (4.4 x 42.9 x 75.4 cm) Form factor (unit rack) Monitoring 1RU Cisco Firepower 4000 Monitoring with Ethernet ports 8 x 10 Gigabit and 2 network module slots (NM) for extended network modules I / O • 8 x 10 Gigabit Ethernet Enhanced network modules can plug small form factor (SFP +) • 4 x 40 Gigabit Ethernet Network Module Quad SFP + • 8 ports 1Gbps Network Module FTW (wireless) □ 6-port 1 Gbps SX Fiber FTW (wireless) Network Module □ 6-port 10Gbps SR Fiber FTW (wireless) Network Module □ 6-port 10Gbps LR Fiber FTW (wireless) Network Module Maximum number of interfaces Up to 24 x 10 Gigabit Ethernet (SFP+) interface; up to 8 x 40 Gigabit Ethernet (QSFP+) interface with 2 network modules integrated network port 1 Gigabit Ethernet Support fiber 1-G or copper SFPs Serial port 1 x RJ-45 USB console 1 x USB 2.0 200 GB 400 GB 400 GB 200 GB 800 GB 400 GB 800 GB 400 GB Power Supply Single Configuration 1100W AC, dual option, Single/dual 950W DC optional1, 2 Single 1100W AC, dual option, Single/dual 950W DC optional1, 2 Single 1100W AC, dual option, Single/dual 950W DC optional1, 2 Single 1100W AC, dual option, Single/dual 950W DC optional1, 2 Single 1100W AC1 Dual 1100W AC1 Dual 1100W AC1 Dual 1100W AC1 100 voltage input to Maximum Input Current 240V AC AC 13A AC maximum output power 1100W AC frequency 50 to 60 Hz effective AC & g;92% at DC input voltage load 50%: -5 40V to -60VDC DC maximum input current 27A DC maximum output power 950W EFFICIENCY DC & g;92.5% at load 50% Backup 1 + 1 Fan 6 fan interchangeable heat noise 78 dBA Rack can be mounted. Mounted rails included (EIA-310-D 4-post rack) Weight 36 lb (16 kg) : 2 x NMs, 6x Fans, 30 lb (13.6 kg); no power, no NMs, No fan Temperature: operates 32 to 104°F (0 to 40°C) 32 to 104°F (0 to 40°C) 32 to 104°F (0 to 40°C) 32 to 104°F (0 to 40°C) or NEBS activity (see below) 32 to 104°F (0 to 40°C) 32 to 95°F (0 to 35°C), at sea level 32 to 95°F (0 to 35°C), at sea level 32 to 95°F (0 to 35 ° C), at sea level Temperature: inactivation -40 to 149 °F (-40 to 65 ° C) Humidity: active 5 to 95% moisture does not cond cond cond cond cond cond cond cond condensate : inactive 5 to 95% non-condensate altitude: active 10,000 ft (max) 10,000 ft (max) 10,000 ft (max) 10,000 ft (max) 10,000 ft (max) 10,000 ft (max) 10,000 ft (max) 10,000 ft (max) Altitude : : 40,000 ft (maximum) active nebs (FPR 4120 only) Operating altitude: 0 to 13,000 ft (3960 m) Operating temperature: Long-term: 0 to 45°C, up to 6,000 ft (1829 m) Long-term: 0 to 35°C, 6,000 to 13,000 ft (1829 to 3964 m) Short-term: -5 to 50°C, up to 6,000 ft (1829 m) 1 Hot interchangeable dual power supply. Table 4. Cisco Firepower 4100 Series NEBS, Regulatory, Safety, and EMC Compliance Specification Regulatory compliance Products comply with CE markings per directives 2004/108/EC and 2006/108/EC Safety • CAN/CSA-C22.2 No. 60950-1 EMC: emissions • 47CFR Part 15 (CFR 47) Class A (FCC Class A) EMC: Immunity • EN-61000-4-2, EN-61000-4-3, EN-61000-4-4, EN-61000-4-5, EN-61000-4-6, EN-61000-4-8, EN61000-4-11 Cisco Capital's flexible payment solutions help you achieve your goals, Making it easy for you to achieve the right technology to achieve your goals, enable business transformation, and help you stay competitive. We can help you reduce total cost of ownership, preserve capital and accelerate growth. In more than 100 countries, our flexible payment solutions can help you get additional third-party hardware, software, services, and equipment in easy, predictable payments. Learn more. Learn more

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