Data Sheet

FortiADC™
Advanced Application Delivery Controller

Application Anywhere

FortiADC is an advanced Application Delivery Controller (ADC) that ensures application availability, application security, and application optimization. FortiADC offers advanced security features (WAF, DDoS, and AV) and application connectors for easy deployment and full visibility to your networks and applications. FortiADC can be deployed as a physical or virtual machine (VM), or as a Cloud solution.

Application Availability

24×7 application availability through automatic failover for business continuity with application automation, global server load balancing, and link load balancing to optimize WAN connectivity.

Application Optimization

Multi-core processor technology combined with hardware-based SSL offloading and server optimization to increase end-user QoE.

Application Protection

Advanced Web Application Firewall protection from the OWASP Top 10 - 2021 and threat detection with Fortinet FortiGuard Cloud Services.

Zero Trust Application Gateway

ZTNA (ZTAG) provides an automatic, encrypted tunnels for controlled validated per-session access to applications.
FortiADC™ Data Sheet

Available in
Appliance
Virtual
Hosted
Cloud

FortiADC Services

Highlights

Application Availability
Applications are the lifeblood of a company's online presence. Unresponsive applications can result in lost revenue and customers taking their future business elsewhere. Application performance, scalability, and resilience are key but none of this matters unless the end-user has a good experience and completes their transaction.

FortiADC is a dedicated Application Delivery Control solution that provides a multi-tenancy solution (VDOM), high availability, and scalability with hybrid solution deployment (on-premises and cloud offering) to your applications.

SSL Security
FortiADC delivers high capacity decryption and encryption with the latest cryptography standard using hardware-based SSL ASIC. FortiADC provides SSL offloading, SSL inspection and visibility to inspect traffic for threats, speeds up server response, and reduces the load on the backend server. FortiADC also integrates with Gemalto's SafeNet Enterprise Hardware Security Module (HSM).

Business Continuity
FortiADC's included Global Server Load Balancing (GSLB) module on-prem or in the cloud (FortiGSLB Cloud) makes your network reliable and available by scaling applications across multiple data centers for disaster recovery or to improve application response times. Customers can set up rules based on site availability, data center performance, and network latency.
FortiADC™ Data Sheet

Application Protection

FortiADC offers multiple levels of protection to defend against attacks that target your web applications. FortiADC Web Application Firewall can detect a zero day attack and protect from OWASP Top 10 - 2021 and many other threats with multi-vector protection. FortiADC also supports our FortiGuard Cloud which provides multi services such as IPS, Antivirus, and IP Reputation service (subscription required) that protects you from sources associated with DoS/DDoS attacks, phishing schemes, spammers, malicious software, and botnets.

Application Optimization

FortiADC provides multiple services that speed the delivery of applications to users. The PageSpeed suite of website performance enhancement tools can automatically optimize HTTP, CSS, Javascript, and image delivery to application users. FortiADC also provides Dynamic Caching and HTTP Compression and Decompression to improve end-user experience and server productivity.

FortiADC Security Fabric

As the threat landscape evolves, many new risks require a multi-pronged approach for protecting applications. FortiADCs antivirus and integration with FortiSandbox extend basic security protections to scan file attachments for known and unknown threats.

Automation and Connectors

FortiADC Fabric Connectors provide open API-based integration and orchestration with multiple software-defined networks (SDN), cloud, management, and partner technology platforms. Fortinet Fabric Connectors deliver turnkey, open, and deep integration into third party services such as K8s, AWS, OCI, and SAP, in multi-vendor ecosystems, enabling scalability, security automation, and simplified management.

Zero Trust Application Gateway (ZTNA)

FortiClient ZTNA works with FortiADC to enable secure granular access to applications no matter if the user is local or remote. Each session is initiated with an automatic, encrypted tunnel from FortiClient to the FortiADC for user and device verification. If verified, access is granted for that session. You can also use multifactor authentication to provide an additional layer of security. With ZTNA, organizations benefit from both a better remote access solution and a consistent policy for controlled access to applications irrespective of endpoint location.
Highlights

Unleash the Power of Scripts
FortiADC Scripts provides the flexibility to create custom event-driven rules using predefined commands, variables, and operators. Using easy-to-create scripts, you get the flexibility you need to extend your FortiADC with specialized business rules that give you almost unlimited possibilities for server load balancing, health checks, application validation, content routing, and content rewriting to meet the needs of your organization.

Application Authentication
FortiADC provides centralized user authentication and authorization services to web applications. FortiADC acts as a gatekeeper to offload HTTP authentication and authorization to customer applications using single sign-on (SSO) services, SAML, LDAP, RADIUS, and MFA (using FortiToken Cloud and Google authenticator).

WAN Optimization
FortiADC provides a built-in link optimization with the Link Load Balancing module. Customers can create two or more WAN links (for inbound and outbound Link LB) to reduce the risk of outages or to add additional bandwidth to relieve traffic congestion.

Analytics and Visibility
FortiADC offers a comprehensive monitoring system for your network and application. With FortiView, customers can get real-time and historical data into a single view on your FortiADC. We also provide a network logical topology of real-servers, user/application data-analytics, security threats, attack maps, and some other system events and alerts. FortiADC is integrated with third party solutions such as Splunk, FortiAnalyzer, and FortiSIEM for more visibility, correlation, automated response, and remediation.

FortiADC Centralized Management
FortiADC Manager is a web-based management tool that allows you to centrally manage multiple FortiADC devices remotely. Network administrators can better control their devices by logically grouping devices, efficiently managing jobs and licenses, quickly checking various logs, and monitoring threat statistics in real time.
Use Cases

High Scale Performance with FortiADC and FortiGate (FWLB and SSL-VPN / IPSEC LB)
- Improved VPN performance and user QoE
- User redirection based on geolocation and round-trip time (RTT)
- Advanced health checks for applications and NGFW in improved site visibility and availability
- Application Load Balancing and WAF Protection

MSSP / SP Advanced Offering
- Fully virtualized environment
- Service tailored per customer (SLB, L7, GSLB, WAF, and Application Optimization)
- Can be managed via Single pane of glass (CM, API, and Cisco ACI)
- Fully managed services
- High redundancy

Hybrid Cloud Solution
- Cloud Connector for visibility and availability
- Fabric Connector to multiple applications for automation and service scaling
- Multi-Service solution (SLB, WAF, Authentication, and GSLB)
Features

Application Availability
- Virtual service definition with inherited persistence, load balancing method, and pool members
- Layer 4/7 application routing policy
- Layer 4/7 server persistence
- Custom scripting for SLB and content rewriting
- Scripting for event-driven rules using predefined commands, variables, and operators for SLB, content rewrite, persistencey, and security
- Advanced L7 application health check with support script for a customized health check
- Clone Traffic Pools

Layer 4-7 Application Load Balancing
- TCP, UDP, IP, DNS, HTTP, HTTPS, HTTP 2.0 GW, FTP, SIP, RDP, RADIUS, MySQL, MSSQL, RTMP, RTSP, and more applications
- L7 Content Switching and Rewriting
  - HTTP Host, HTTP Request URL, and HTTP Referrer
  - Source IP Address
- Persistent IP, has IP/port, hash header, persistent cookie, hash cookie, destination IP hash, URI hash, full URI hash, host hash, and host domain hash
- URL Redirect, HTTP request/response rewrite (includes HTTP body)
- Layer 7 DNS load balancing, security, and caching

Link Load Balancing
- Inbound and outbound LLB
- Support for policy route and SNAT
- Multiple health check target support
- Configurable intervals, retries, and timeouts
- Tunnel Routing

Security Fabric Connector
- FortiGSLB Cloud (One-Click-GSLB)
- FortiAuthentication
- FortiSIEM
- FortiAnalyzer
- FortiADC-CM
- FortiSandbox
- FortiGate BanIP integration

External Fabric Connectors
- Kubernetes Service
- SAP Application
- AWS / OCI Connector
- Splunk Integration

Global Server Load Balancing (GSLB)
- Global data center DNS-based failover of web applications
- Delivers local and global load balancing between multi-site SSL VPN deployments
- DNSSEC
- DNS Access Control Lists
- GSLB setup wizard

Deployment Modes
- One arm-mode (Proxy with X-forwarded for support)
- Router mode
- Transparent mode (switch)
- High Availability (AA/AP Failover)

Web Application Firewall

Application Protection
- OWASP Top-10 Wizard
- Web Attack Signature
- API Protection
- Sensitive Data Protection
- Bot Detection
- Web Vulnerability Scanner
- Third-party scanner integration (virtual patching)
- HTTP RFC compliance

Security Services
- SQLi/XSS Injection Detection
- OpenAPI Validation
- API Gateway
- Web Scraping
- CSRF Protection
- Brute Force Protection
- Web Defacement Protection
- CAPTCHA Support
- Data Leak Prevention
- File Restriction
- Cookie Security
- XML/JSON/SOAP Validation
- HTTP Header Security
Features

Application Acceleration
SSL Offloading and Acceleration
• Offloads HTTPS and TCPS processing while securing sensitive data
• Full certificate management features
• HTTP/S mirroring for traffic analyses and reporting
• Support TLS 1.3

HTTP and TCP Optimization
• 100x acceleration by offloading TCP processing
• Connection pooling and multiplexing for HTTP and HTTPS
• HTTP Page Speed-UP for Web Server Optimization
• TCP buffering
• HTTP compression and decompression
• HTTP caching (static and dynamic objects)
• Bandwidth allocation with Quality of Service (QoS)

Authentication Offloading
• Local
• LDAP
• RADIUS
• Kerberos
• SAML 2.0 (SP and Idp)
• AUTH2.0
• NTLM
• Two-Factor Authentication — FortiToken/ FortiToken Cloud, and Google Authentication

Networking
• Static NAT, Hide NAT, and Dynamic NAT for flexibility and scalability
• VLAN and port trunking support
• Support integration with Cisco ACI, Nutanix, OpenStack, and Ansible
• NVGRE and VXLAN Support
• BGP and OSPF with Route Health Inspection (RHI)
• IPv6 Support (SLB, interfaces, routing, and firewall)
• Support SR-IOV - VMware and KVM

Application Security
• FortiGuard Antivirus and FortiSandbox integration
• GEO IP security and logs (subscription required)
• Stateful Firewall
• Web Filtering (subscription required)
• IP Reputation (subscription required)
• IPv4 and six firewall rules
• Granular policy-based connection limiting
• Syn cookie protection
• Connection limits
• Intrusion Prevention System (subscription required)
• Application and Network DDoS Protection
• DNS Application Security
• ACME Support

Management
• Central management for multiple FortiADC devices
• REST API (Support Declarative and Imperative API)
• SNMP with private MIBs with threshold-based traps
• Real-time Data Analytics
• Syslog support
• Role-based administration
• Real-time monitoring graphs
• Built-in reporting
• FortiView integration
• OWASP Top-10 Real-time monitoring
• Data analytics
• Virtual Domains (VDOMs)
• Support Inter-VDOM Connectivity
Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>FortiADC 120F</th>
<th>FortiADC 220F</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Performance</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L4/L7 Throughput</td>
<td>3 Gbps / 2.2 Gbps</td>
<td>5 Gbps / 4 Gbps</td>
</tr>
<tr>
<td>L4 CPS</td>
<td>80 000</td>
<td>160 000</td>
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<tr>
<td>L4 HTTP RPS</td>
<td>230 000</td>
<td>500 000</td>
</tr>
<tr>
<td>Maximum L4 Concurrent Connection</td>
<td>4.5 M</td>
<td>6 M</td>
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<tr>
<td>L7 CPS (1:1) *</td>
<td>20 000</td>
<td>40 000</td>
</tr>
<tr>
<td>SSL CPS/TPS (1:1) 2K keys **</td>
<td>500</td>
<td>1200</td>
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<tr>
<td>SSL Bulk Encryption Throughput</td>
<td>500 Mbps</td>
<td>1.2 Gbps</td>
</tr>
<tr>
<td>Compression Throughput</td>
<td>1.3 Gbps</td>
<td>2 Gbps</td>
</tr>
<tr>
<td>SSL Acceleration Technology</td>
<td>Software</td>
<td>Software</td>
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<tr>
<td>Virtual Domains</td>
<td>10</td>
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<tr>
<td><strong>Hardware Specifications</strong></td>
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</tr>
<tr>
<td>Memory</td>
<td>8 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>Network Interfaces</td>
<td>6x GE RJ45</td>
<td>4x GE RJ45, 4x GE SFP</td>
</tr>
<tr>
<td>10/100/1000 Management Interface</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Storage</td>
<td>64 GB SSD</td>
<td>120 GB SSD</td>
</tr>
<tr>
<td><strong>Management</strong></td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
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<tr>
<td>Power Supply</td>
<td>Single</td>
<td>Single</td>
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<tr>
<td>Simultaneous Sources (M)</td>
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<td>1U</td>
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<tr>
<td>Trusted Platform Module</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Dimensions</strong></td>
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<td></td>
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<tr>
<td>Height x Width x Length (inches)</td>
<td>1.75 x 17.3 x 10.55</td>
<td>1.73 x 17.24 x 18.38</td>
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<tr>
<td>Height x Width x Length (mm)</td>
<td>44 x 440 x 268</td>
<td>44 x 438 x 416</td>
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<tr>
<td>Weight</td>
<td>9.9 lbs (4.5 kg)</td>
<td>22 lb (9.07 kg)</td>
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<tr>
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<td>Form Factor</td>
<td>1U Appliance</td>
<td>1U Appliance</td>
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<tr>
<td>Input Voltage</td>
<td>100-240 V AC, 50-60 Hz</td>
<td>100-240 V AC, 50-60 Hz</td>
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<td>Power Consumption (Average / Maximum)</td>
<td>40 W / 60 W</td>
<td>80W</td>
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<td>Maximum Current</td>
<td>100V / 1.5A, 240V / 0.6A</td>
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<tr>
<td>Heat Dissipation</td>
<td>132-163 BTU/h</td>
<td>273 BTU/h</td>
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<td>Operating Temperature</td>
<td>32°-104°F (0°-40°C)</td>
<td>32°-104°F (0°-40°C)</td>
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<td>Storage Temperature</td>
<td>-4°-167°F (-20°-75°C)</td>
<td>-4°-167°F (-20°-75°C)</td>
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<td>Humidity</td>
<td>10%-85% relative humidity, non-operating, non-condensing</td>
<td>5%-95% non-condensing</td>
</tr>
<tr>
<td>Forced Airflow</td>
<td>Front to Back</td>
<td>Front to Back</td>
</tr>
</tbody>
</table>

All performance values are “up to” and vary depending on the system configuration.

** Layer 7 CPS — measures number of new HTTP connections (1 HTTP request per TCP connection)
** Tested with 1 HTTP request per SSL connection; SSL Ciphers=AES256-SHA; 2K Keys
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>FortiADC 300F</th>
<th>FortiADC 400F</th>
<th>FortiADC 1200F/-DC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Performance</strong></td>
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<td></td>
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</tr>
<tr>
<td>L4/L7 Throughput</td>
<td>8 Gbps</td>
<td>15 Gbps / 12 Gbps</td>
<td>40 Gbps / 30 Gbps</td>
</tr>
<tr>
<td>L4 CPS</td>
<td>300 000</td>
<td>400 000</td>
<td>1 000 000</td>
</tr>
<tr>
<td>L4 HTTP RPS</td>
<td>1M</td>
<td>1.5M</td>
<td>3 000 000</td>
</tr>
<tr>
<td>Maximum L4 Concurrent Connection</td>
<td>12M</td>
<td>12M</td>
<td>36 000 000</td>
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<tr>
<td>L7 CPS (1:1) *</td>
<td>100 000</td>
<td>120 000</td>
<td>220 000</td>
</tr>
<tr>
<td>SSL CPS/TPS (1:1) 2K keys **</td>
<td>4000</td>
<td>15 000</td>
<td>35 000</td>
</tr>
<tr>
<td>SSL Bulk Encryption Throughput</td>
<td>3 Gbps</td>
<td>6 Gbps</td>
<td>20 Gbps</td>
</tr>
<tr>
<td>Compression Throughput</td>
<td>6 Gbps</td>
<td>10 Gbps</td>
<td>20 Gbps</td>
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<tr>
<td>SSL Acceleration Technology</td>
<td>Software</td>
<td>ASIC</td>
<td>ASIC</td>
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<td>Virtual Domains</td>
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<td><strong>Hardware Specifications</strong></td>
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<td>Memory</td>
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<td>32 GB</td>
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<td>Network Interfaces</td>
<td>4x GE RJ45, 4x GE SFP</td>
<td>2x 10 GE SFP+, 4x GE SFP, 4x GE RJ45</td>
<td>8x RJ45 GE port, 8x SFP GE port, 8x SFP+ 10G Ports</td>
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<tr>
<td>10/100/1000 Management Interface</td>
<td>—</td>
<td>—</td>
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<tr>
<td>Storage</td>
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<tr>
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<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
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<tr>
<td>Power Supply</td>
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<td>Single (optional Redundant PS)</td>
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<tr>
<td>Trusted Platform Module (TPM)</td>
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<td>No</td>
<td>Yes</td>
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<tr>
<td><strong>Dimensions</strong></td>
<td></td>
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<tr>
<td>Height x Width x Length (inches)</td>
<td>1.73 x 17.24 x 16.38</td>
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<td>1.73 x 21.5 x 17.3</td>
</tr>
<tr>
<td>Height x Width x Length (mm)</td>
<td>44 x 438 x 416</td>
<td>44 x 438 x 416</td>
<td>44 x 548 x 440</td>
</tr>
<tr>
<td>Weight</td>
<td>20 lbs (9.07 kg)</td>
<td>20 lbs (9.07 kg)</td>
<td>22.5 lbs (10.2 kg)</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
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<td></td>
</tr>
<tr>
<td>Form Factor</td>
<td>1U Appliance</td>
<td>1U Appliance</td>
<td>1U Appliance</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>100–240V AC, 50–60 Hz, 5–3A</td>
<td>100–240V AC, 50–60 Hz, 5–3A</td>
<td>100–240V AC, 50–60 Hz</td>
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<td>Power Consumption (Average / Maximum)</td>
<td>90 W / 99 W</td>
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<tr>
<td>Maximum Current</td>
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<td>100–240V AC, 50–60 Hz, 5–3A</td>
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<td>32°–104°F (0°–40°C)</td>
<td>32°–104°F (0°–40°C)</td>
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<td>-13°–187°F (-25°–75°C)</td>
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<td>Humidity</td>
<td>5%–95% non-condensing</td>
<td>5%–95% non-condensing</td>
<td>10%–85% non-condensing</td>
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<tr>
<td>Forced Airflow</td>
<td>Front to Back</td>
<td>Front to Back</td>
<td>Front to Back</td>
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<td><strong>Compliance</strong></td>
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<td>Regulatory Compliance</td>
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<tr>
<td>Safety</td>
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</tr>
</tbody>
</table>

All performance values are "up to" and vary depending on the system configuration.

** Layer 7 CPS — measures number of new HTTP connections (1 HTTP request per TCP connection)

** Tested with 1 HTTP request per SSL connection; SSL Ciphers=AES256-SHA; 2K Keys
## Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>FortiADC 2200F/-DC</th>
<th>FortiADC 4200F/-DC</th>
<th>FortiADC 5000F</th>
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<tbody>
<tr>
<td><strong>System Performance</strong></td>
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<td></td>
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<tr>
<td>L4/L7 Throughput</td>
<td>60 Gbps / 35 Gbps</td>
<td>100 Gbps / 80 Gbps</td>
<td>250 Gbps / 220 Gbps</td>
</tr>
<tr>
<td>L4 CPS</td>
<td>1 200 000</td>
<td>1 800 000</td>
<td>4M</td>
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<tr>
<td>L4 HTTP RPS</td>
<td>4 000 000</td>
<td>5 000 000</td>
<td>18 000 000</td>
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<tr>
<td>Maximum L4 Concurrent Connection</td>
<td>72 000 000</td>
<td>144 000 000</td>
<td>160 000 000</td>
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<tr>
<td>L7 CPS (1:1) *</td>
<td>280 000</td>
<td>500 000</td>
<td>1 100 000</td>
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<tr>
<td>SSL CPS/TPS (1:1) **</td>
<td>40 000</td>
<td>60 000</td>
<td>100 000</td>
</tr>
<tr>
<td>SSL Bulk Encryption Throughput</td>
<td>25 Gbps</td>
<td>50 Gbps</td>
<td>120 Gbps</td>
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<tr>
<td>Compression Throughput</td>
<td>22 Gbps</td>
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<td>150 Gbps</td>
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<td>SSL Acceleration Technology</td>
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<td>Virtual Domains</td>
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<td><strong>Hardware Specifications</strong></td>
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<td>Memory</td>
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<td>8x SFP ports, 12×10Gbe SFP+ ports</td>
<td>4x 40GbE QSFP, 8×10G SFP+</td>
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<td>Management</td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
</tr>
<tr>
<td>Power Supply</td>
<td>Dual</td>
<td>Dual</td>
<td>Dual</td>
</tr>
<tr>
<td>Trusted Platform Module (TPM)</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height x Width x Length (inches)</td>
<td>1.73 x 21.5 x 17.3</td>
<td>3.46 x 21.5 x 17.3</td>
<td>3.4 x 17.2 x 30.2</td>
</tr>
<tr>
<td>Height x Width x Length (mm)</td>
<td>44 x 548 x 440</td>
<td>88 x 548 x 440</td>
<td>80.6 x 436.9 x 777.2</td>
</tr>
<tr>
<td>Weight</td>
<td>22.5 lbs (10.2 kg)</td>
<td>29.3 lbs (13.3 kg)</td>
<td>68.3 lbs (31 kg)</td>
</tr>
<tr>
<td><strong>Environment</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Form Factor</td>
<td>1U Appliance</td>
<td>2U Appliance</td>
<td>2U Appliance</td>
</tr>
<tr>
<td>Input Voltage</td>
<td>100–240V AC, 50–60 Hz</td>
<td>100–240V AC, 50–60 Hz</td>
<td>220–240V AC</td>
</tr>
<tr>
<td>Power Consumption (Average / Maximum)</td>
<td>267 W / 340 W</td>
<td>269 W / 360 W</td>
<td>2200 W</td>
</tr>
<tr>
<td>Maximum Current</td>
<td>100V / 7A, 240V / 3.5A</td>
<td>100V / 7A, 240V / 3.5A</td>
<td>120V / 11.8A, 240V / 9.6A</td>
</tr>
<tr>
<td>DC Power Supply</td>
<td>TBA</td>
<td>TBA</td>
<td>—</td>
</tr>
<tr>
<td>Heat Dissipation</td>
<td>911 BTU/h</td>
<td>917 BTU/h</td>
<td>7506 BTU/hr</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32°C–104°F (0°C–40°C)</td>
<td>32°C–104°F (0°C–40°C)</td>
<td>50°C–95°F (10°C–35°C)</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-4°C–167°F (-20°C–75°C)</td>
<td>-4°C–167°F (-20°C–75°C)</td>
<td>-40°C–140°F (-40°–60°C)</td>
</tr>
<tr>
<td>Humidity</td>
<td>10%–85% non-condensing</td>
<td>10%–85% non-condensing</td>
<td>8%–90% non-condensing</td>
</tr>
<tr>
<td>Forced Airflow</td>
<td>Front to Back</td>
<td>Front to Back</td>
<td>Front to Back</td>
</tr>
<tr>
<td><strong>Compliance</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regulatory Compliance</td>
<td>FCC/ICES, CE, RCM, VCCI, BSMI</td>
<td>FCC/ICES, CE, RCM, VCCI, BSMI</td>
<td>CE, FCC, RCM, VCCI, BSMI</td>
</tr>
<tr>
<td>Safety</td>
<td>UL/ cUL, CB</td>
<td>UL/ cUL, CB</td>
<td>UL, CB, IEC</td>
</tr>
</tbody>
</table>

All performance values are "up to" and vary depending on the system configuration.

** Layer 7 CPS — measures number of new HTTP connections (1 HTTP request per TCP connection)
** Tested with 1 HTTP request per SSL connection; SSL Ciphers=AES256-SHA; 2K Keys
## Specifications

<table>
<thead>
<tr>
<th>Hardware Specifications</th>
<th>FORTIADC-VM01</th>
<th>FORTIADC-VM02</th>
<th>FORTIADC-VM04</th>
<th>FORTIADC-VM08</th>
<th>FORTIADC-VM16</th>
<th>FORTIADC-VM32</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hypervisor Support</td>
<td>VMware ESX/ESXi, Citrix XenServer, Open Source Xen, Microsoft Hyper-V, KVM, AWS, Azure, Google Cloud, Oracle Cloud. Please see the FortiADC-VM Install Guide for the latest hypervisor versions supported.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>L4 Throughput*</td>
<td>1 Gbps</td>
<td>2 Gbps</td>
<td>4 Gbps</td>
<td>10 Gbps</td>
<td>16 Gbps</td>
<td>24 Gbps</td>
</tr>
<tr>
<td>Virtual Domains</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>vCPU Support (Maximum)</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>8</td>
<td>16</td>
<td>32</td>
</tr>
<tr>
<td>Memory Support (Maximum)</td>
<td>Unlimited</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network Interface Support (Maximum)</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Storage Support (Minimum / Maximum)</td>
<td>Unlimited</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Throughput</td>
<td>Hardware Dependent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td>HTTPS, SSH CLI, Direct Console DB9 CLI, SNMP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Actual performance values may vary depending on the network traffic and system configuration. Performance results were observed using an appliance with an Intel CPU E5-1650 v2 @ 3.50 GHz running VMware ESXi 5.5.
## Ordering Information

<table>
<thead>
<tr>
<th>Product</th>
<th>SKU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FortiADC 120F</td>
<td>FAD-120F</td>
<td>FortiADC 120F, 6x GE ports, 1x64 SSD storage.</td>
</tr>
<tr>
<td>FortiADC 220F</td>
<td>FAD-220F</td>
<td>FortiADC 220F, 4x GE RJ45 ports, 4x GE SFP ports, 1x 120 GB SSD storage.</td>
</tr>
<tr>
<td>FortiADC 300F</td>
<td>FAD-300F</td>
<td>FortiADC 300F, 4x GE RJ45 ports, 4x GE SFP ports, 2x GE management ports, 1x 128 GB SSD storage.</td>
</tr>
<tr>
<td>FortiADC 400F</td>
<td>FAD-400F</td>
<td>FortiADC 400F, 4x GE RJ45 ports, 4x GE SFP ports, 2x 10 GE SFP+ ports, 2x management ports, 1x 120 GB SSD storage, Hardware SSL Accelerator, Optional Redundant PSU.</td>
</tr>
<tr>
<td>FortiADC 1200F</td>
<td>FAD-1200F</td>
<td>FortiADC 1200F, 8x GE SFP+ ports, 8x GE SFP ports, 8x GE RJ45 ports, 2x GE RJ45 management port, 1x 240 GB SSD, dual AC power supplies.</td>
</tr>
<tr>
<td>FortiADC 1200F-DC</td>
<td>FAD-1200F-DC</td>
<td>FortiADC 1200F, 8x GE SFP+ ports, 8x GE SFP ports, 8x GE RJ45 ports, 2x GE RJ45 management port, 1x 240 GB SSD, dual AC power supplies.</td>
</tr>
<tr>
<td>FortiADC 2200F</td>
<td>FAD-2200F</td>
<td>FortiADC 2200F, 12x 10 GE SFP+ ports, 8x GE SFP ports, 2x GE RJ45 management port, 1x 240 GB SSD, dual AC power supplies.</td>
</tr>
<tr>
<td>FortiADC 2200F-DC</td>
<td>FAD-2200F-DC</td>
<td>FortiADC 2200F, 12x 10 GE SFP+ ports, 8x GE SFP ports, 2x GE RJ45 management port, 1x 240 GB SSD, dual AC power supplies.</td>
</tr>
<tr>
<td>FortiADC 4200F</td>
<td>FAD-4200F</td>
<td>FortiADC 4200F, 4x 40 GbE QSFP+, 8x 10 GbE SFP+, 2x GbE RJ45 management port, 1x 480 GB SSD, dual AC power supplies.</td>
</tr>
<tr>
<td>FortiADC 4200F-DC</td>
<td>FAD-4200F-DC</td>
<td>FortiADC 4200F, 4x 40 GbE QSFP+, 8x 10 GbE SFP+, 2x GbE RJ45 management port, 1x 480 GB SSD, dual AC power supplies.</td>
</tr>
<tr>
<td>FortiADC 5000F</td>
<td>FAD-5000F</td>
<td>FortiADC 5000F, 4x 100 GbE QSFP28, 8x 40 GbE QSFP, 1x GE RJ45 management port, 1x 3.74 TB SSD, dual AC power supplies.</td>
</tr>
<tr>
<td>FortiADC-VM01</td>
<td>FAD-VM01</td>
<td>FortiADC-VM software virtual appliance. Supports up to 1x vCPU core.</td>
</tr>
<tr>
<td>FortiADC-VM02</td>
<td>FAD-VM02</td>
<td>FortiADC-VM software virtual appliance. Supports up to 2x vCPU cores.</td>
</tr>
<tr>
<td>FortiADC-VM04</td>
<td>FAD-VM04</td>
<td>FortiADC-VM software virtual appliance. Supports up to 4x vCPU cores.</td>
</tr>
<tr>
<td>FortiADC-VM08</td>
<td>FAD-VM08</td>
<td>FortiADC-VM software virtual appliance. Supports up to 8x vCPU cores.</td>
</tr>
<tr>
<td>FortiADC-VM16</td>
<td>FAD-VM16</td>
<td>FortiADC-VM software virtual appliance. Supports up to 16x vCPU cores.</td>
</tr>
<tr>
<td>FortiADC-VM32</td>
<td>FAD-VM32</td>
<td>FortiADC-VM software virtual appliance. Supports up to 32x vCPU cores.</td>
</tr>
<tr>
<td>Central Manager 10</td>
<td>FAD-CM-BASE</td>
<td>FortiADC Central Manager license key, manage up to 10 FortiADC devices, VMware vSphere.</td>
</tr>
<tr>
<td>Central Manager Unlimited</td>
<td>FAD-CM-UL</td>
<td>FortiADC Central Manager license key, manage unlimited number of FortiADC devices, VMware vSphere.</td>
</tr>
<tr>
<td>Optional Accessory</td>
<td>SKU</td>
<td>Description</td>
</tr>
<tr>
<td>FortiADC 400F Redundant Power Supply</td>
<td>SP-FAD400F-PS</td>
<td>AC power supply for FAD-400F.</td>
</tr>
</tbody>
</table>

### VM Subscriptions

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FC1-10-ADVMS-942-02-DD</td>
<td>Subscription license for FortiADC-VM (1 CPU) with Standard bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC1-10-ADVMS-635-02-DD</td>
<td>Subscription license for FortiADC-VM (1 CPU) with Advanced bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC2-10-ADVMS-942-02-DD</td>
<td>Subscription license for FortiADC-VM (2 CPU) with Standard bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC2-10-ADVMS-635-02-DD</td>
<td>Subscription license for FortiADC-VM (2 CPU) with Advanced bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC3-10-ADVMS-942-02-DD</td>
<td>Subscription license for FortiADC-VM (4 CPU) with Standard bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC3-10-ADVMS-635-02-DD</td>
<td>Subscription license for FortiADC-VM (4 CPU) with Advanced bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC4-10-ADVMS-942-02-DD</td>
<td>Subscription license for FortiADC-VM (8 CPU) with Standard bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC4-10-ADVMS-635-02-DD</td>
<td>Subscription license for FortiADC-VM (8 CPU) with Advanced bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC5-10-ADVMS-942-02-DD</td>
<td>Subscription license for FortiADC-VM (16 CPU) with Standard bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC5-10-ADVMS-635-02-DD</td>
<td>Subscription license for FortiADC-VM (16 CPU) with Advanced bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC6-10-ADVMS-942-02-DD</td>
<td>Subscription license for FortiADC-VM (32 CPU) with Standard bundle. 24x7 FortiCare support included.</td>
</tr>
<tr>
<td>FC6-10-ADVMS-635-02-DD</td>
<td>Subscription license for FortiADC-VM (32 CPU) with Advanced bundle. 24x7 FortiCare support included.</td>
</tr>
</tbody>
</table>

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