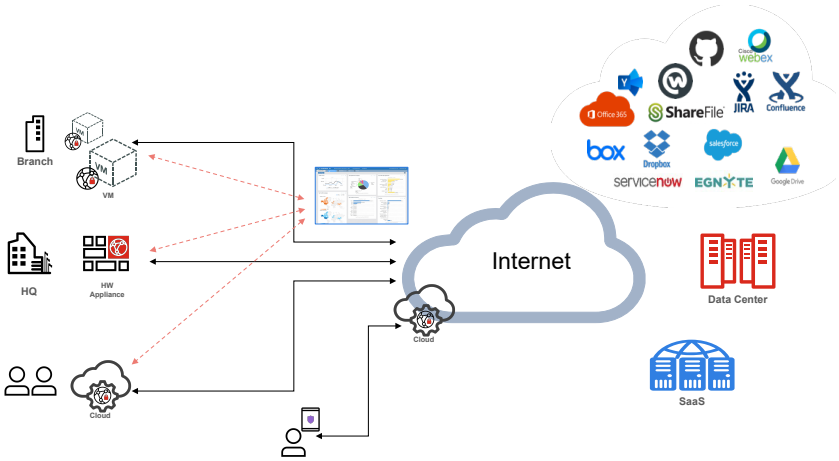
DATA SHEET

FortiProxy™

Available in:

Appliance | Virtual Machine | Cloud

Fast, Secure, and Scalable Security for any Organization



FortiProxy is a **secure web gateway** that protects employees against internet-borne attacks by incorporating multiple detection techniques such as web, video, and DNS filtering, data loss prevention, antivirus, intrusion prevention, and Client Browser Isolation.

Advanced SSL Inspection

Powerful hardware that can perform SSL inspection to effectively remove blind spots in encrypted traffic, without compromising on performance.

Security Fabric

The Fortinet Security Fabric delivers broad protection and visibility to every network segment, device, and appliance, whether virtual, in the cloud, or on-premises. IFortiProxy integrates with key security fabric components such as FortiSandbox and FortiAnalyzer. It can also integrate with third-party security devices using ICAP and WCCP protocols.

High Performance, Scalability, and Low TCO

FortiProxy uses specialized ASICs in order to accelerate performance of the network and security modules. FortiProxy supports proxy speeds up to 15 Gbps, and can scale from small enterprises with 500 users all the way to larger enterprises of 50,000 users. FortiProxy provides great value to customers while maintaining a low total cost of ownership.

Highlights

Advanced Protection Against Threats

- Integration with FortiGuard Threat Intelligence Service
- Web, Video, DNS filtering, and application control
- Client Browser Isolation for decreasing the attack surface
- Integration with FortiSandbox and FortiNDR cloud and on-premise appliance
- AV, IPS, DLP, and Content Analysis

Virtual Domains High Performance and Scalability

- Custom–built security processing units for high performance
- License sharing across multiple devices (VM and HW)
- HA availability for redundancy

Content Caching and WAN Optimization

- Static and dynamic content caching
- Multiple Content Delivery Network
- Decrease Network Latency
- Lower bandwidth overhead

SECURE WEB GATEWAY SERVICES

Web and Video Filtering

FortiGuard's cloud-delivered AI-driven web filtering service provides comprehensive threat protection to address threats including ransomware, credential-theft, phishing, and other web-borne attacks. It uses AI-driven behavior analysis and correlation to block unknown malicious URL's almost immediately, with near-zero false-negatives.

The Web Filtering service leverages industry-leading threat intelligence from FortiGuard labs. This is based on telemetry gathered from over 10 billion real-world events per day. FortiGuard Web Filtering has a database of hundreds of millions of URLs classified into 90+ categories to meet granular web controls and reporting. Help achieve regulatory compliance and granular video control with industry-first advanced video filtering.

DNS Filtering

Protect against sophisticated DNS-based threats including DNS tunneling, C2 server identification, and domain generation algorithms (DGAs). DNS filtering provides full visibility into DNS traffic while blocking high-risk domains including malicious newly registered domains (NRDs), parked domains, and more.

Granular Application Control

With the constant increase in the usage of social apps, it's vital for organizations to provide very granular controls. For instance, they may want to allow access but prevent specific actions like posts. FortiProxy supports all major social websites (including Facebook, LinkedIn, Twitter, Instagram), and supports more than 3000 apps. In addition, SaaS Apps can be classified using the cloud database that's maintained by FortiGuard.

Data Loss Prevention

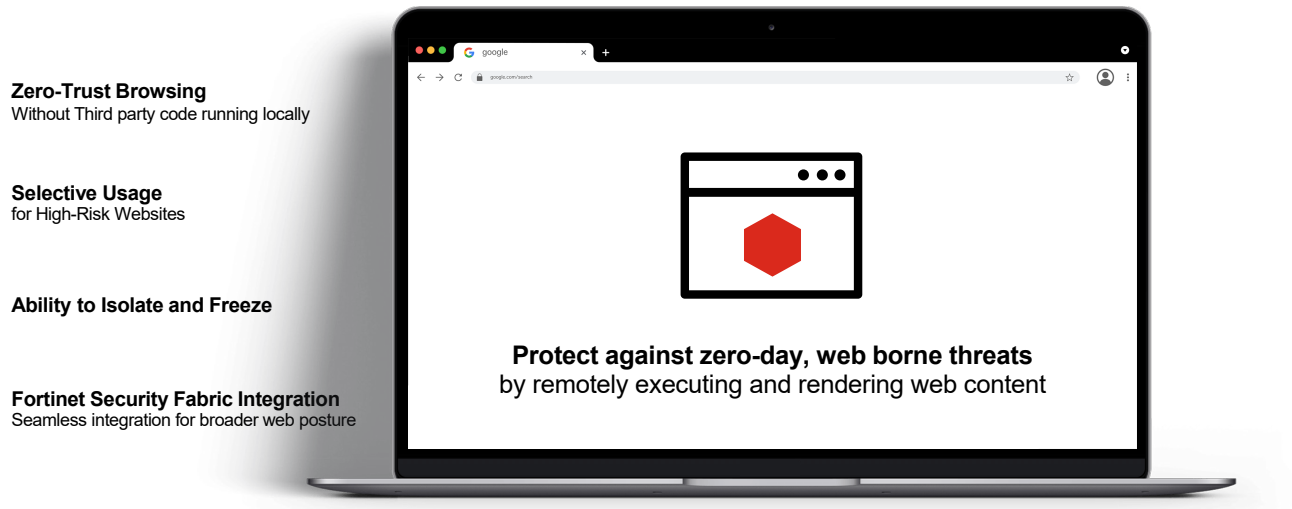
Protect sensitive data from leaving your network, ensure data privacy and regulatory compliance requirements. Sensitive files can be fingerprinted or watermarked and the outgoing traffic is examined to identify any data leakage.

Intrusion Prevention

FortiProxy uses a combination of signature as well as signature-less engines to prevent intrusions. IPS signatures can be based on exploits, known vulnerabilities or anomaly patterns. Signature-less techniques are used to detect SQL injection, domain generation algorithm attacks, java and flash exploits. FortiGuard Labs generates more than 100 IPS rules every week, blocking more than 4 million network intrusion attempts.

Client Browser Isolation

Client-based native browser isolation (NBI) uses a Docker container to isolate the browser from the external networks. Client browser isolation provides a full browser isolation to stop phishing, account takeover, and malware without performance overhead and without the need for SSL inspection.



Sandboxing

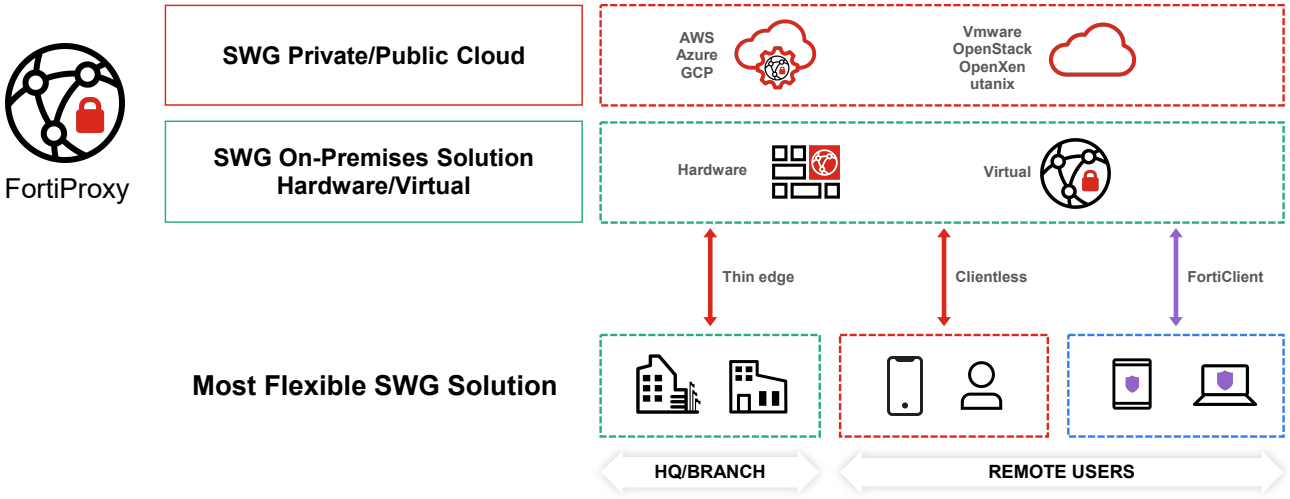
Complement with a two-step AI based sandboxing approach. Suspicious and at-risk files are subjected to the first stage of analysis that quickly identifies known and emerging malware through FortiSandbox's ML powered static analysis. Second stage analysis is done in a contained environment to uncover the full attack lifecycle leveraging behavior-based ML with dynamic analysis detection engine more efficient and effective against new zero-day threats

Content Analysis

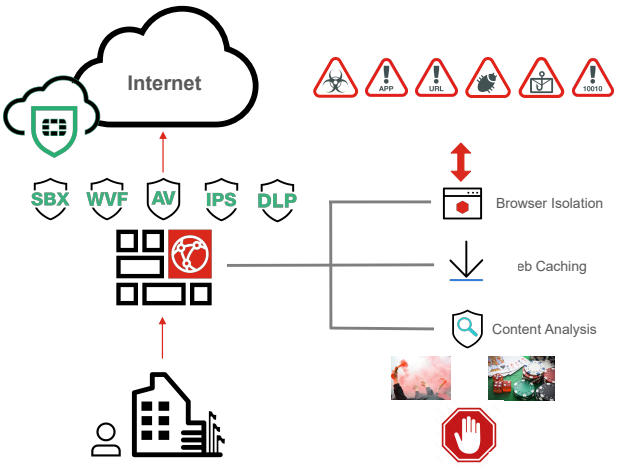
Enforce acceptable usage by detecting and preventing illicit images and videos with AI-driven content analysis. With the addition of the Content Disarm and Reconstruction service, you can reduce mean time to detection (MTTD) with low latency content sanitization. A broad range of file types are supported beyond traditional signature-based and reputation-based measures.

WAN Optimization and Advanced Caching

Today at many locations, bandwidth is a bottleneck, and to keep operation costs low, it may be prohibitive to provide additional bandwidth. In these environments, FortiProxy is also able to greatly optimize and accelerate the network by enabling caching of content and by enabling WAN Optimization features.



USE CASES

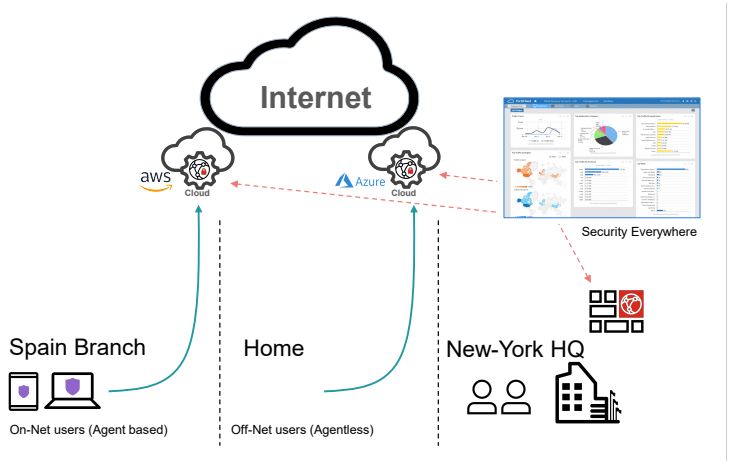


SWG Services

Methods Supported
- Explicit Proxy, Transparent, PBR, and WCCP

Advanced Offering
- FortiProxy employs multiple FortiGuard services to protect users against the latest web threats and to enforce compliance
- Integration with FortiGuard Threat Intelligence Service

Benefits
- Advanced SWG Services
- Full Visibility
- All-Inclusive License
- Stackable License from 500 to 50K Users

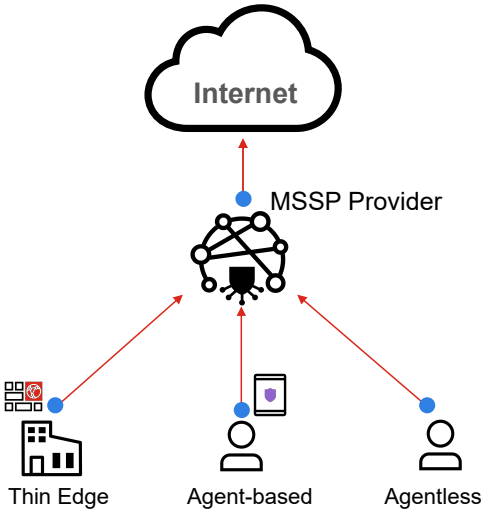


Hybrid Cloud Solution

Methods Supported
- On-prem HW/VM, Agent-based, Agentless

Advanced Offering
- Share license according to load/ time/ user
- Explicit Proxy with PAC File hosting support
- Centralized management of your FortiProxy devices from a single console

Benefits
- Auto scaling
- Full Visibility
- Consistent Security Across all Users



Managed Security Service Providers

Methods Supported
- Thin Edge, Agent-based, Agentless

Advanced Offering
- Explicit Proxy with PAC File hosting support or SSL-VPN
- VDOM per customer - full integration and visibility

Benefits
- Easy Onboarding
- Full Visibility

FEATURES SUMMARY

System

- Wide range of deployment options:
  – Inline, Forward Proxy, Explicit proxy, WCCP/PBR
  – Hardware or virtual appliance
- IPv4 and IPv6 address support
- Application Support including HTTP/S
- HA available as active-active and active-backup with session synchronization
- Automation Stitches
- Virtual Domains

Threat Protection

- Integration with FortiGuard threat intelligence services for real-time threat updates
- Integration with cloud sandbox to detect advanced threats
- In-built security services requiring no additional appliance
- Web, Video, and DNS Filtering
  – Dynamic categorization of websites
  – Blocking of malicious and suspicious domains and URLs
  – Static blacklists and whitelists
- Application Control
  – Granular web application control for social websites
  – Support for 3000+ applications
- Antivirus, bonet and DLP
- Client Browser Isolation
- Virtual Domains
- Content Analysis
- Multiple ICAP servers support
- IPS signature and filters
- Web Rating Override
- SSL/SSH Inspection
- Custom Application Signature

Authentication

- Support for various authentication modes including Radius, SAML, LDAP, NTLM, Kerberos, FortiToken One-Time Password
- In-built authentication requiring no additional device

Advanced Caching

- Web and video caching
- Reverse web cache
- Traffic Shaping and QoS policies to prioritize Apps
- Dynamic adaptive streaming over HTTP
- Dynamic adaptive streaming over RTP and RTMPT

WAN Optimization

- Protocol Optimization – support HTTP, MAPI, CIFS, FTP, and TCP
- Secure tunneling over across WAN
- Wan Optimization peers

Management and Reporting

- FortiView Integration
- FortiAnalyzer Integration
- Support Syslog server
- Granular role based access
- Reporting and Logging
- Policy tests for ease of deployment

SPECIFICATIONS

	FORTIPROXY 400E	FORTIPROXY 2000E	FORTIPROXY 4000E
System Information			
License Capacity	500–4,000 users	500–15,000 users	500–50,000 users
Deployment Modes	Inline Proxy, Transparent/WCCP Proxy, Explicit Proxy, Routed Proxy		
Virtual Domain	up to 10 VDOM	up to 100 VDOM	up to 250 VDOM
Hardware Specifications			
Memory	8 GB	64 GB	128 GB
Management	HTTP/S, SSH, CLI, SNMP, Console RJ45	HTTP/S, SSH, CLI, SNMP, Console DB9	HTTP/S, SSH, CLI, SNMP, Console DB9
Network Interfaces	4x GE RJ45	2× 10 GE SFP+, 2x GE SFP ports, 2x GE RJ45 ports	4× 10 GE SFP+, 2x GE SFP ports, 4x GE RJ45 ports
Bypass Interfaces	—	2x GE RJ45 ports	2x GE RJ45 ports
Storage	4 TB (2 TB x2) Hard Disk	8 TB (2 TB x4) Hard Disk	8 TB (2 TB x4) Hard Disk
Power Supply	Single (Optional Dual)	Dual	Dual
Environment			
Form Factor	1U Appliance	2U Appliance	2U Appliance
Input Voltage	100–240V, AC 60–50 Hz	100–240V, AC 50–60 Hz	100–240V, AC 50–60 Hz
Power Consumption (Average / Maximum)	120 W / 151 W	244 W / 265 W	462 W / 493 W
Maximum Current	100V/5A, 240V/3A	100V/10A, 240V/3.5A	100V/9.8A, 240V/5A
Heat Dissipation	550 BTU/h	940 BTU/h	1,717 BTU/h
Operating Temperature	32°–104°F (0°–40°C)	50°–95°F (10°–35°C)	50°–95°F (10°–35°C)
Storage Temperature	-13°–158°F (-25°–70°C)	-40°–158°F (-40°–70°C)	-40°–158°F (-40°–70°C)
Humidity	5%–95% non-condensing	8%–90% non-condensing	8%–90% non-condensing
Dimensions			
Height x Width x Length (inches)	1.73 × 17.24 × 16.38	3.5 × 17.2 × 25.5	3.5 × 17.2 × 25.5
Height x Width x Length (mm)	44 × 438 × 416	89 × 437 × 647	89 × 437 × 647
Weight	25 lbs (11 kg)	32 lbs (14.5 kg)	43 lbs (19.5 kg)
Compliance			
Safety	FCC, ICES, CE, RCM, VCCI, BSMI (Class A), UL/cUL, CB		

FortiProxy400E

FortiProxy 2000E

FortiProxy 4000E

SPECIFICATIONS

VIRTUAL APPLIANCE	FORTIPROXY VM02	FORTIPROXY VM04	FORTIPROXY VM08	FORTIPROXY VM16	FORTIPROXY VMUL
System Information					
Hypervisor Support	VMware ESX/ESXi, KVM Platform, Microsoft HyperV	VMware ESX/ESXi, KVM Platform, Microsoft HyperV	VMware ESX/ESXi, KVM Platform, Microsoft HyperV	VMware ESX/ESXi, KVM Platform, Microsoft HyperV	VMware ESX/ESXi, KVM Platform, Microsoft HyperV
License Capacity	100–500 users	100–2,500 users	100–10,000 users	100–25,000 users	100–50,000 users
Virtual Domain	up to 10 VDOM	up to 25 VDOM	up to 50 VDOM	up to 100 VDOM	up to 500 VDOM
Hardware Specifications					
Storage	4 CPU, Unlimited GB RAM, 2 Disk	8 CPU, Unlimited GB RAM, 2 Disk	16 CPU, Unlimited GB RAM, 4 Disk	32 CPU, Unlimited GB RAM, 8 Disk	Unlimited CPU, Unlimited GB RAM, 16 Disk
Network Interface Support (Maximum)	10	10	10	10	10
Management	HTTP/S, SSH, CLI, SNMP	HTTP/S, SSH, CLI, SNMP	HTTP/S, SSH, CLI, SNMP	HTTP/S, SSH, CLI, SNMP	HTTP/S, SSH, CLI, SNMP

ORDER INFORMATION

Product	SKU	Description
FortiProxy 400E	FPX-400E	FortiProxy 400E, 4x GE RJ45 (up to 4000 users).
FortiProxy 2000E	FPX-2000E	FortiProxy 2000E, 2x RJ45 GE, 2x RJ45 GE Bypass, 2x SFP GE, 2x SFP+ 10 GE (up to 15 000 users).
FortiProxy 4000E	FPX-4000E	FortiProxy 4000E, 4× 10/100/1000 RJ45 Ports, 2× 10/100/1000 RJ45 Bypass Ports, 2x GE SFP Ports, 4× 10 GE SFP+ Ports (up to 50 000 users).
SWG Protection Bundle	FC-10-XY400-514-02-DD FC-10-XY2KE-514-02-DD FC-10-XY4KE-514-02-DD	SWG Protection Bundle [Web Filtering, DNS Filtering, Application Control, DLP, AV, Botnet (IP/Domain), Sandbox Cloud] 500 User license with SWG Protection.
Content Analysis	FC-10-XY400-160-02-DD FC-10-XY2KE-160-02-DD FC-10-XY4KE-160-02-DD	500 User license with Content Analysis Service.
Client Browser Isolation	FC1-10-XY400-587-02-DD FC1-10-XY2KE-587-02-DD FC1-10-XY4KE-587-02-DD	Client Browser Isolation. 500 user license - Support Windows10 and Chrome.
FortiProxy-VM02	LIC-FPRXY-VM02	FortiProxy-VM software virtual appliance designed for VMware ESX/ESXi platforms and KVM platform. 4x vCPU core, unlimited GB RAM, and 2 TB Disk.
FortiProxy-VM04	LIC-FPRXY-VM04	FortiProxy-VM software virtual appliance designed for VMware ESX/ESXi platforms and KVM platform. 8x vCPU core, unlimited GB RAM, and 4 TB Disk.
FortiProxy-VM08	LIC-FPRXY-VM08	FortiProxy-VM software virtual appliance designed for VMware ESX/ESXi platforms and KVM platform. 16x vCPU core, unlimited GB RAM, and 8 TB Disk.
FortiProxy-VM16	LIC-FPRXY-VM16	FortiProxy-VM software virtual appliance designed for VMware ESX/ESXi platforms and KVM platform. 32x vCPU core, unlimited GB RAM, and 8 TB Disk.
FortiProxy-VMUL	LIC-FPRXY-VMUL	FortiProxy-VM software virtual appliance designed for VMware ESX/ESXi platforms and KVM platform. Unlimited vCPU and RAM support.
Virtual Domain License Add 5	FPX-VDOM-5-UG	Upgrade license for adding 5 VDOMs to FortiProxy 7.2 and later, limited by VM maximum VDOM capacity.
Optional Accessory		
Power Supply	SP-FAD700-PS	AC power supply for FPX-400E.

FORTINET

www.fortinet.com