## FERTINET

# THIRD-GENERATION NETWORK SECURITY THE FORTINET SECURITY FABRIC



TIN A

**1<sup>s⊤</sup> GENERATION** Secure The Connection 2<sup>ND</sup> GENERATION Secure The Content



**3<sup>RD</sup> GENERATION** Secure The Infrastructure



Founded: Nov. 2000

First Product Release: May 2002

Fortinet IPO: Nov. 2009 NASDAQ: FTNT

Headquarters: Sunnyvale, California

Employees: 4,792

FY 2016 Revenue: \$1.275B

Q2 2017 Revenue: \$363.5M Q2 2017 Billings: \$426.9M Q2 2017 EPS (non-GAAP): \$0.27 Market Cap (July 26, 2017): \$7.1B \$1.46B Cash and No Debt

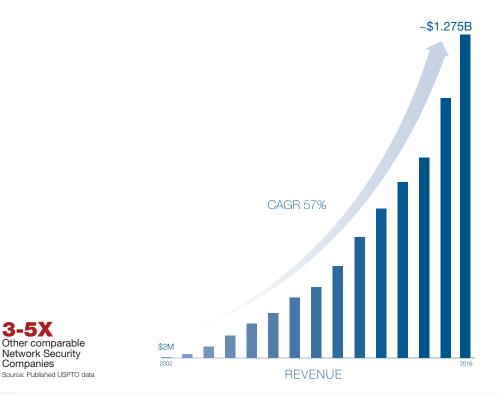
Units Shipped to Date: 3.3M+

Customers: 320,000+

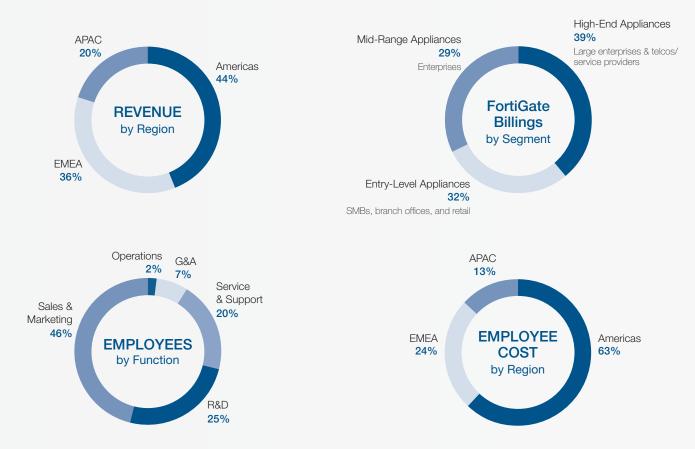
395 Patents Issued 316 Patents Pending

## **OVERVIEW**

Fortinet's mission is to deliver the most innovative, highest-performing network security fabric to secure and simplify your IT infrastructure. We are a leading global provider of network security appliances for carriers, data centers, enterprises and distributed offices.

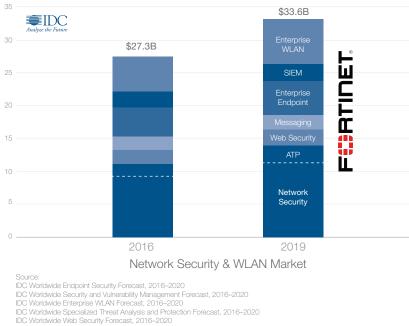


Q2 2017



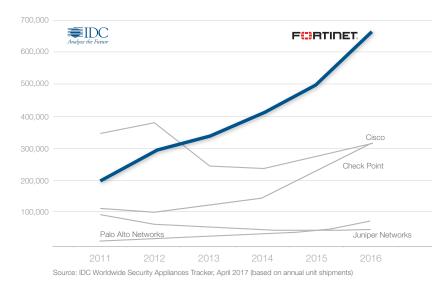
## **GAINING SHARE IN A GROWING MARKET**

Fortinet is a major player in many segments of the fast-growing Network Security and WLAN markets.

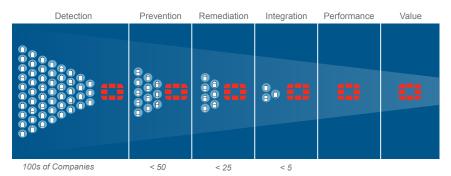


IDC Worldwide IT Security Products Forecast, 2015-2019

Fortinet is the largest network security appliance vendor (units) and growing quickly, according to IDC...



#### Fortinet Is the Only Company to Excel at All Key Stages of Network Security



2017	FortiGate 7000 Series FortiCASB
2016	3M Units Shipped Fortinet Security Fabric CP9 & SoC3 Acquired AccelOps
2015	Internal Segmentation Firewall 2M Units Shipped Acquired Meru Networks
2014	New HQ 1 Tbps Firewall 1st 100 GbE Port Security Appliance
2013	1 <sup>st</sup> 40 GbE Port Security Appliance Security Processor NP6 FortiSandbox
2012	FortiOS 5.0 & SoC2 1M Units Shipped
2010	FortiAP
2009	FortiOS 4.0 IPO 1 <sup>st</sup> Security Processor: System-on-a-Chip
2006	FortiWiFi
2005	FortiOS 3.0 1st Security Processor: Network Processor
2004	FG-5000 (ATCA)
2003	FortiManager FortiOS 2.0
2002	Began Global Sales FortiGate & FortiOS 1.0 1st Security Processor: Content Processor
2000	Fortinet Founded

## **EMERGING SECURITY CHALLENGES**

#### Today's Network Is Borderless

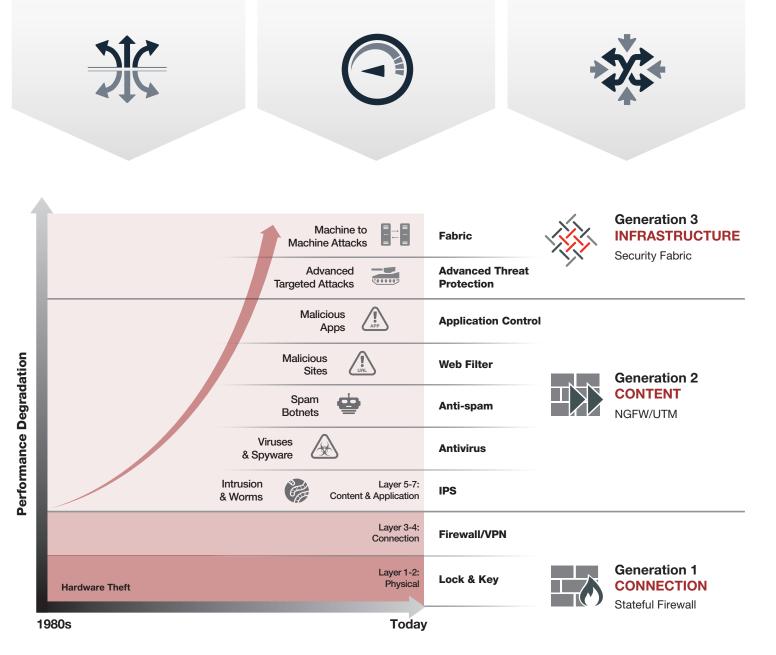
IoT and the cloud have expanded the attack surfacethe "edge" is no longer clearly defined. There are more ways in and more ways out.

#### Slow Is Broken

Security has become a bottleneck; enterprises compromise security features to achieve performance goals.

#### Complexity Is the Enemy of Security

Too many point solutions create security gaps and a slow response to threats; no communication or coordination.



First-generation network security, known as stateful firewalls, focused on securing the connection. Led by Fortinet, a second generation of network security, next-generation firewalls and UTMs, expanded inspection to the application and content.

## THE FORTINET SECURITY FABRIC THIRD-GENERATION NETWORK SECURITY

The emergence of cloud, IoT, and mobile is driving the need for a third generation of network security to protect the rapidly expanding attack surface and secure "data everywhere." Fortinet is once again leading the way with its Security Fabric, the first architectural approach to security designed to dynamically adapt to the evolving IT infrastructure. The Security Fabric intelligently segments the network, from IoT to the cloud, to provide broad, powerful, and automated protection against sophisticated threats.



## BROAD

The Fabric covers the entire attack surface—security can be applied to the network, endpoints, access, applications, and cloud, and visibility extended to other vendor solutions.





The Security Fabric utilizes security processors to reduce the burden on infrastructure, allowing comprehensive security without affecting performance.

## AUTOMATED

The Security Fabric enables a fast and coordinated response to threats—all elements can rapidly exchange threat intelligence and coordinate actions.



## FORTINET'S SECURITY FABRIC COVERS YOUR ENTIRE I

## Fortinet Solutions



## FIREWALL

FortiGate
- Next-Generation FW
- Data Center FW
- Internal Segmentation FW
- Secure SD-WAN
FortiManager
FortiAnalyzer
FortiGuard Services



CLOUD SECURITY

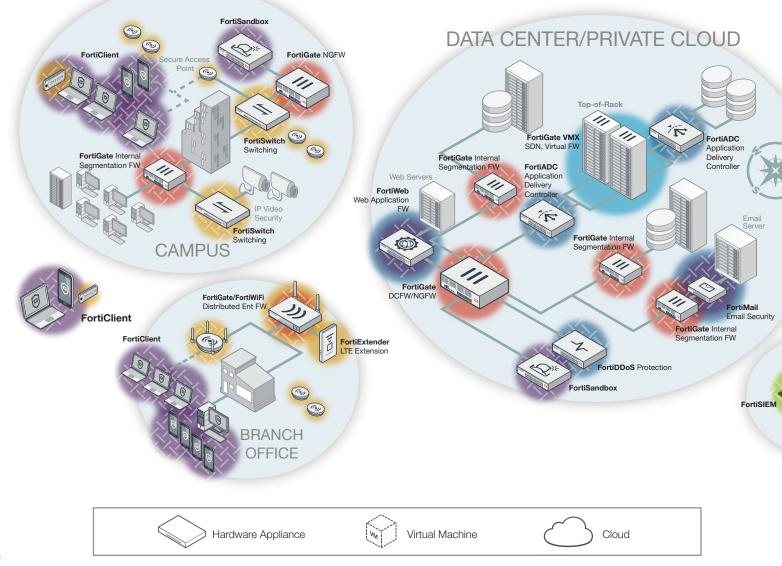
FortiGate VM (Virtual FW)
FortiGate VMX (SDN Virtual FW)
FortiGate VM for Public Cloud
AWS
Microsoft Azure
Googe Cloud
OpenStack-based
FortiHypervisor
FortiCASB
FortiGuard Services



ADVANCED THREAT PROTECTION

FortiSandbox
FortiMail
FortiWeb
FortiClient
FortiCloud Sandboxing
FortiGuard Services



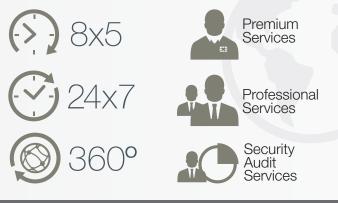


## NETWORK

#### FortiCare



Our FortiCare customer support team provides global technical support for all Fortinet products. With support staff in the Americas, Europe, Middle East, and Asia, FortiCare offers services to meet the needs of enterprises of all sizes.



#### Become a Fortinet Network Security Expert!

NSE Certification Program

FERTINET

Fortinet's Network Security Expert (NSE) Program is an 8-level training and assessment program designed for customers, partners, and employees, with over 74,000 security certifications to date.







Validate Your Security Experience

Demonstrate Value

Accelerate Sales

	Step	Level Objective
1	NSE 1	Develop a foundational understanding of network security concepts.
2	NSE 2	Develop the knowledge and skills necessary to sell key Fortinet solutions. (For Fortinet employees and partners only)
3	<b>NSE 3</b> Sales Associate	Develop the knowledge and skills to sell Fortinet products. (For Fortinet employees and partners only)
4	NSE 4 Professional	Develop the technical knowledge and skills needed to configure and maintain a FortiGate Next-Generation Firewall solution.
5	NSE 5 Analyst	Develop a detailed technical understanding of how to implement network security management and analytics.
6	<b>NSE 6</b> Specialist	Develop an understanding of advanced security technologies beyond the firewall.
7	<b>NSE 7</b> Troubleshooter	Demonstrate a deep technical understanding of key Fortinet solutions.
B	NSE 8 Expert	Demonstrate the ability to design, configure, install, and troubleshoot a comprehensive network security solution in a live environment.



#### SECURE ACCESS

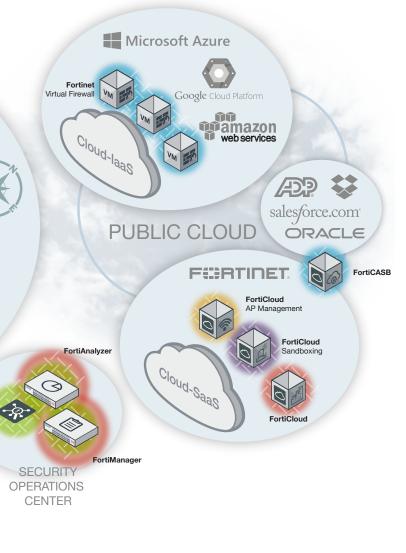
FortiAP
FortiGate AP Management
FortiCloud AP Management
FortiWLC/WLM AP Management
FortiSwitch
FortiAuthenticator
FortiToken
FortiExtender
FortiGuard Services

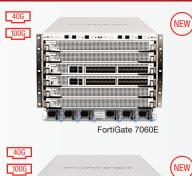


SECURITY OPERATIONS

#### FortiSIEM

FortiManager FortiAnalyzer FortiGuard Services - Indicators of Compromise







FortiGate 7040E

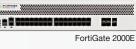


FortiGate 5144C



FortiGate 3980E





## HIGH-PERFORMANCE NETWORK SECURITY

Fortinet's core firewall platform, FortiGate, is powered by our purpose-built operating system, security processors, and threat intelligence from FortiGuard Labs.

#### Data Center Firewall (DCFW)/Carrier Class Firewall (CCFW)

Deployment	Service Provider or Enterprise
Form Factor	2U/3U Appliance and Chassis
Interfaces	10, 40, and 100 GbE
FW Throughput	10 Gbps to more than 1 Tbps
Special Features	Carrier Class



#### Internal Segmentation Firewall (ISFW)

Deployment	Service Provider or Enterprise
Form Factor	1U/2U/3U Appliance
Interfaces	10, 40, and 100 GbE
FW Throughput	16 to 320 Gbps
Special Features	VDOM Management, Ultra-low Latency

## Next-Generation Firewall (NGFW)

Deployment	Edge or Border Firewall	
Form Factor	1U/2U/3U Appliance	
Interfaces	1, 10, and 40 GbE	
FW Throughput	1 to 160 Gbps	
Special Features	Advanced Threat Protection	1970 - C

## Unified Threat Management (UTM)

Deployment	Distributed Enterprise or SMB
Form Factor	Desktop
Interfaces	High-density 1 GbE
Throughput	1 to 3.5 Gbps
Special Features	Wi-Fi, PoE, Ruggedized



## Private Cloud–Virtual Machine Firewall

Deployment	East/West Data Center
Form Factor	Virtual Machine
SDN Integration	Cisco ACI, VMware NSX, OpenStack
Throughput	Hardware Dependent
Hypervisors	All Major Hypervisors Supported
Licensing	Perpetual, Subscription, Metered



## Public Cloud-Cloud Firewall

Deployment	AWS, Microsoft Azure, Google
Form Factor	Cloud Virtual Machine
Throughput	Cloud Dependent
Licensing	BYOL or On-Demand



100G

8

80 - 320 Gbps



FortiOS is the foundation of the Fortinet Security Fabric, consolidating many technologies into a simplified, single policy and management framework. FortiOS provides customers with superior protection, deeper visibility and control, reduced complexity, and greater operational efficiency across their entire attack surface.

Networking	Security	Integration	Management
Firewall	Intrusion Prevention	Email	NOC/SOC/Policy
VPN	Application Control	WAF	Reporting & Compliance
Routing	Anti-malware	Endpoint	Topology Views
Switching	Anti-botnet	Sandboxing	Management
SD-WAN	Web Filtering	Vulnerability	Analytics
Wi-Fi Controller	Mobile Security	Partner APIs	VDOM/ADOM
More	More		More

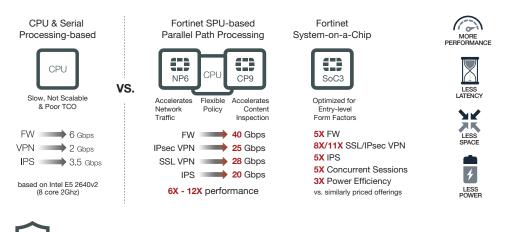


#### ENTRY-LEVEL APPLIANCES



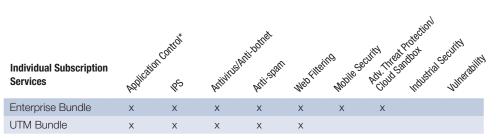
## The Security Processor Advantage

Fortinet Security Processors radically increase the security performance, scalability, and throughput of Fortinet solutions while greatly shrinking space and power requirements, compared to CPU-based solutions.



The FortiGuard Threat Intelligence Advantage

Fortinet solutions are powered by the security services developed by FortiGuard Labs. Working with world-class, in-house tools and data collected from sensors around the globe, our 200+ researchers discover breaking threats and then update FortiGuard threat intelligence services to protect over 320,000 customers every day.



\* Application Control comes standard with every FortiCare support contract



#### SIMPLE PRICING MODE

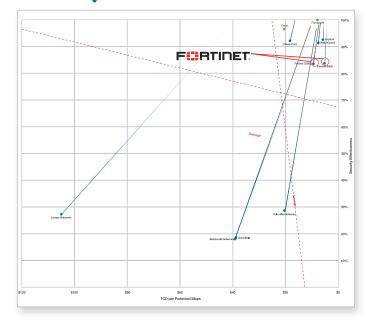
	<ul> <li>Platform (FortiGate)</li> <li>Hardware or VM</li> <li>Deployment Mode</li> <li># and Type of Ports</li> <li>Throughput</li> </ul>	Base HW/VM List price
	Support (FortiCare) & S	Services
2	<ul> <li>8x5 or 24x7</li> <li>+ Prem. Replacement</li> <li>+ Advanced Services</li> <li>FortiCare 360°</li> <li>Professional Services</li> </ul>	15 or 25% Varies Varies + 10% Daily rate
	Subscriptions (FortiGua	ard)
	<ul> <li>Individual Threat Intelligence Feeds</li> <li>UTM or Enterprise Bundles</li> </ul>	+ 20% ea. or +40/65%
	Term	
	<ul> <li>1, 3, 5 year</li> <li>Discount for multi-year term length</li> </ul>	

# 7.4 - 36 Gbps

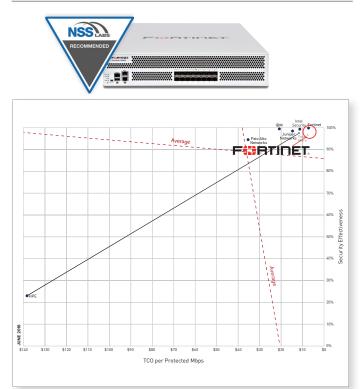
## **INDEPENDENTLY TESTED AND VALIDATED PROTECTION**

## NGFW FortiGate 3200D & 600D



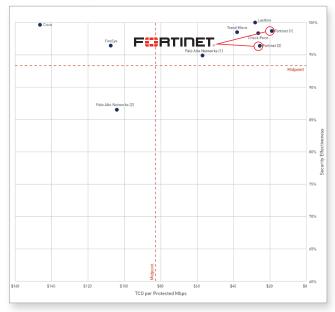


## DC IPS FortiGate 3000D

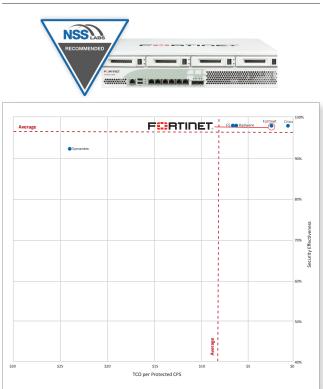


## BDS FortiSandbox 3000D





## WAF FortiWeb 1000D



## **UNPARALLELED THIRD-PARTY CERTIFICATION**

	NEUTRAL	I	CAUTION	RETESTED & PASSED		
Certification	Fortinet	Check Point	Cisco	Palo Alto	Juniper SRX	FireEye
NSS Labs Next-Gen Firewall	•	•			. •	Х
NSS Labs Data Center Firewall		Х	Х	Х	Х	Х
NSS Labs Breach Detection System		•		•••	Х	
NSS Labs WAF		Х	Х	Х	Х	Х
NSS Labs NG IPS		Х			Х	Х
NSS Labs DC IPS		Х	Х			Х
NSS Labs Advanced Endpoint		Х	Х	Х	Х	Х
BreakingPoint Resiliency Score		Х	Х		Х	Х
ICSA Firewall			Х			Х
ICSA IPS		Х	Х	Х	Х	Х
ICSA Antivirus	•	Х	X	Х	Х	Х
ICSA WAF		Х	Х	Х	Х	Х
ICSA ATD (Sandbox)			Х		Х	
ICSA ATD (Email)		Х	Х	Х	Х	Х
VB100 Virus			Х	Х	Х	Х
VBSpam		Х	Х	Х	Х	Х
AV-Comparatives		Х	Х	Х	Х	Х
Common Criteria						
FIPS						
UNH USGv6/IPv6						Х

## The Only NSS Labs Recommended Edge to Endpoint ATP Solution

Fortinet has participated in the following Real-world group tests, open to the industry, and conducted by NSS Labs. In doing so, Fortinet stands out as the only vendor to provide an ATP Solution that is NSS Labs Recommended from the data center to the edge to the endpoint in the latest group tests.

> NGFW DC IPS Web Application Firewall Endpoint Protection Breach Detection (Sandbox)



## Certifications



































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