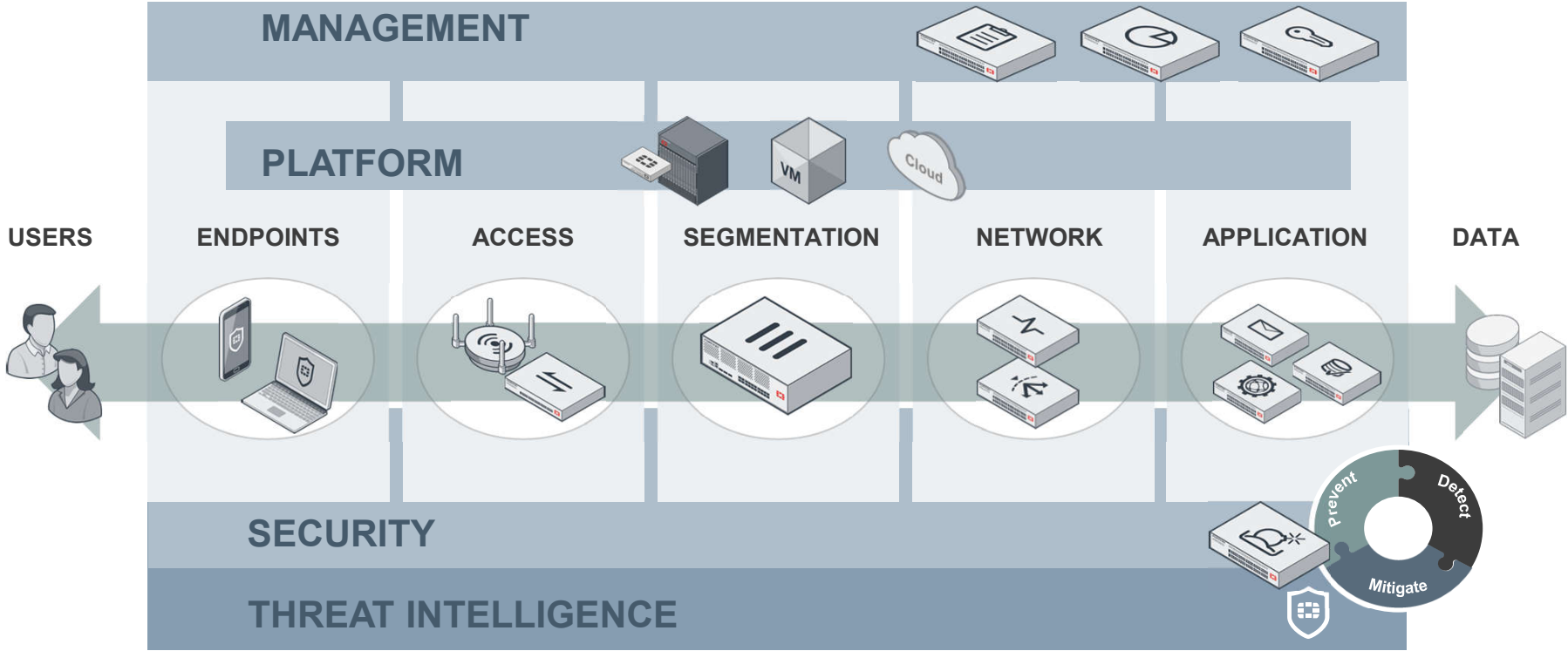


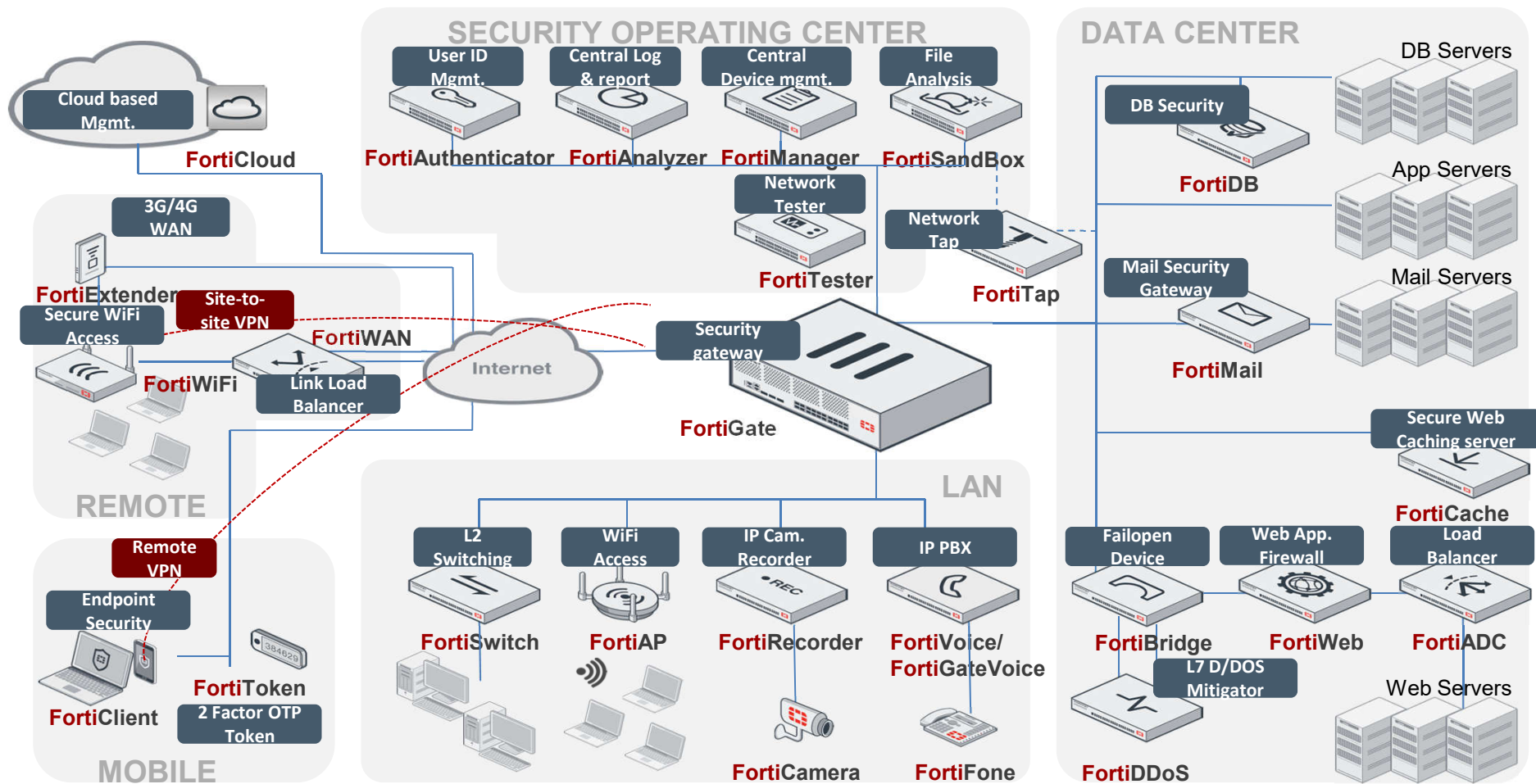


Fortinet Product Quick Guide

Mar, 2016

Complete Network Security Solution





Content

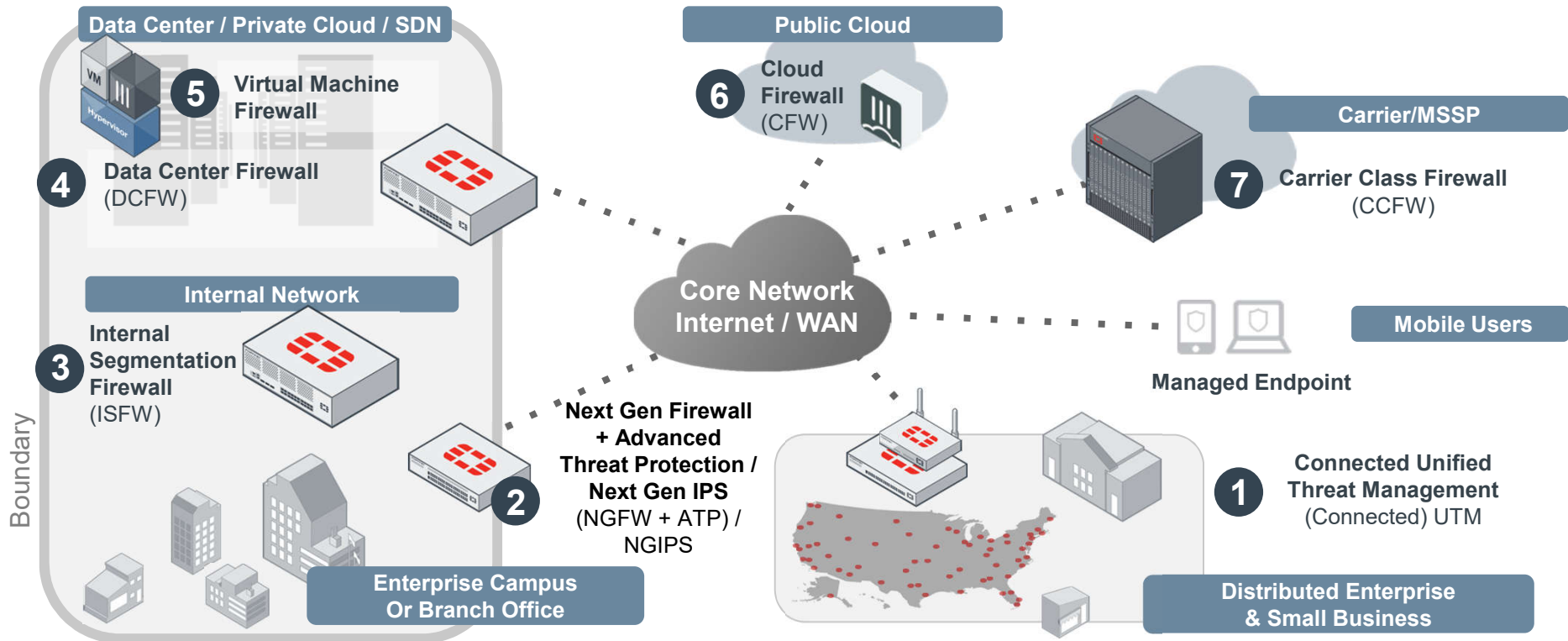


- FortiGate/FortiWiFi
- FortiAP
- FortiSwitch
- FortiClient
- FortiToken
- FortiAnalyzer
- FortiManager
- FortiMonitor
- FortiAuthenticator
- FortiDDoS
- FortiMail
- FortiWeb
- FortiSandbox
- FortiDB
- FortiADC
- FortiWAN
- FortiCache
- FortiRecorder & FortiCamera
- FortiBridge
- FortiTap
- FortiTester

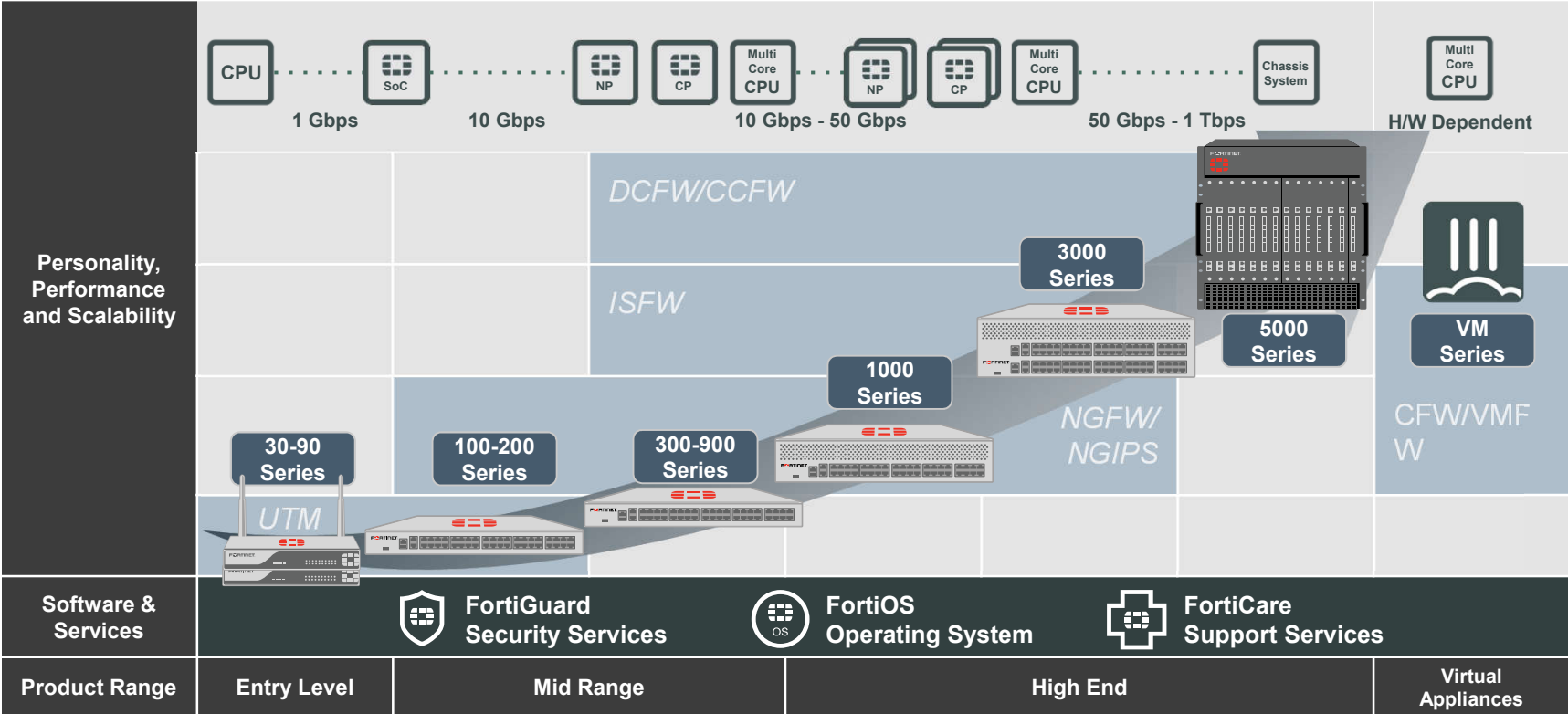


FortiGate/FortiWiFi

FortiGate Deployments



FortiGate Product Range



FortiOS V5.4



Systems Integration		Central Mgmt. and Provisioning		Cloud & SDN Integration		Operation
Configuration	Visibility	Log & Report	Diagnostics	Virtual System		
Policy Objects	User Authentication	Device Identification	SSL inspection	Actions		Policy and Control
Anti-Malware / ATP	IPS & DoS	Application Control	Cloud Access Security Inspection	Web Filtering		Security
Firewall	VPN	DLP	Email Filtering	Compliance		
Wireless Controller	Switch Controller	WAN Interface Manager	Endpoint Manager	Token Server		Extensions
Routing/NAT	L2/Switching	Offline Inspection	Hybrid WAN	High Availability		Networking
QoS	IPv6	WAN Optimization	Explicit Proxy	Server LB		
Essential Network Services						
Physical Appliance (+ASICS)		Hypervisor		Cloud		Platform Support

FortiGate Entry Level Series



Feature-rich Security Appliances For Small/Home Offices & Small Branch Offices



FG/FWF-30E/50E Series



FG/FWF-60D Series



FG/FWF-70 & 90D Series



FG-80D

FG/FWF-92D



FG-94 & 98D-POE

Primary Benefits:

- ✓ Easy to deploy and manage with intuitive GUI
- ✓ Purpose-built hardware yields high performance
- ✓ Large selection of models including variants with PoE ports, integrated WiFi Interface allows most appropriate devices for different environments.
- ✓ Application control plus identity and device-based policy enforcement provides more granular protection
- ✓ Cost-efficient solution with comprehensive and extensive UTM features



FortiGate Entry Level Series: Comparison



	FG-30E	FG-50E/51E	FG-60D	FG-70D	FG80D	FG-90D	FG-92D
Firewall (1518/512/64 byte UDP)	950 Mbps	2.5 Gbps	1.5 /1.5 /1.5 Gbps	3.5 /3.5 /3.5 Gbps	1.3 Gbps	3.5 /3.5 /3.5 Gbps	2 Gbps
Concurrent Sessions	900,000	1.8 Mil	500,000	2 Mil	1.5 Mil	2 Mil	1.5 Mil
New Sessions/Sec	15,000	21,000	4,000	4,000	22,000	4,000	22,000
IPSec VPN	75 Mbps	200 Mbps	1 Gbps	1 Gbps	200 Mbps	1 Gbps	130 Mbps
IPS (HTTP)	600 Mbps	800 Mbps	200 Mbps	275 Mbps	800 Mbps	275 Mbps	950 Mbps
NGFW (Enterprise Mix)	150 Mbps	160 Mbps	20 Mbps	22.5 Mbps	190 Mbps	22.5 Mbps	200 Mbps
Interfaces (LAN, WAN & DMZ)	5 x GE RJ45	7 x GE RJ45	10 x GE RJ45	16 x GE RJ45	4x GE RJ45	16 x GE RJ45	16 x GE RJ45
Storage	-	32 GB (51E)	-	-	16 GB	32GB	16 GB
Variants	WiFi	WiFi	WiFi, PoE	-	-	WiFi, PoE, high port density	WiFi

FortiGate Entry Level Series: Comparison



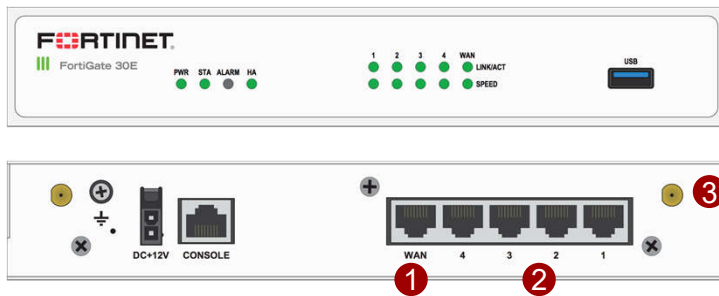
	FG-30E	FG-50E	FG-60D	FG-70D	FG-80D	FG-90D	FG-92D	FG-94D-POE FG-98D-POE
Recommended #users	1-5	5-25		20-50				
Storage	-	✓ (51E)	-	-	✓	✓✓	✓	✓✓
WiFi Variant	✓	✓	✓	-	✓	✓	✓	-
POE Variant	(1x GE)	-	(2x GE)	-	-	(4x GE)	-	24x FE
Firewall & VPN Performance	✓✓	✓	✓✓	✓✓✓	✓	✓✓✓	✓	✓✓✓
UTM Performance	✓	✓✓✓	✓	✓✓	✓✓✓	✓✓	✓✓✓	✓✓
Port Density	✓✓	✓✓	✓✓	✓✓	✓	✓✓	✓✓	✓✓✓
Ideal Use Cases	Small branch offices , Kiosks	Small offices	Small branch offices	Small branch offices	Small offices	Small branch offices	Small offices	Small branch offices
	Limited VPN	Limited VPN	Site-Site VPN	Site-Site VPN	Limited VPN	Site-Site VPN, WAN opt.	Limited VPN	Site-Site VPN, WAN opt.
	Full UTM, Cloud based logging	Full UTM, Cloud based logging	limited UTM, central logging	UTM, central logging	Full UTM, local log & reporting	UTM, local log & reporting	Full UTM, Cloud based logging	UTM , high PoE ports desired

FortiGate Entry Level Series: Comparison



	FWF30E	FWF50E	FWF60D	FWF90D/92D
Thick AP	✓	✓	✓	✓
Wireless Controller	Yes (CLI)	Yes	Yes	Yes
#of WiFi radios	1	1	1	1
Supported Std	a/b/g/n	a/b/g/n	a/b/g/n	a/b/g/n
802.11n	2x2 MIMO	2x2 MIMO	2x2 MIMO	2x2 MIMO
Max wireless association rate total	300Mbps	300Mbps	300Mbps	300Mbps
SSID's (incl. reserved)	8	8	8	8
Max nP (Total/ Local Bridge)	2 / 2	10 / 5	10 / 5	32 / 16

FortiGate/FortiWiFi 30E NEW



- ① 1 x GE RJ45 WAN Port
- ② 4 x GE RJ45 Ports
- ③ WiFi Variant: 802.11a/b/g/n



950 Mbps

Firewall throughput

0.9 Million

Concurrent Sessions

15,000

New Sessions/Sec



600 Mbps

IPS Throughput

200 Mbps

SSL Inspection (IPS) Throughput



150 Mbps

NGFW Throughput

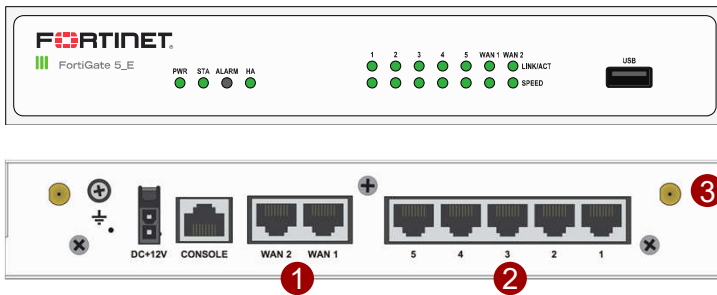


Small Business / Remote Office

Connected UTM



FortiGate/FortiWiFi 50E



- ① 2 x GE RJ45 WAN Ports
- ② 5 x GE RJ45 Ports
- ③ WiFi Variant: 802.11a/b/g/n



2.5 Gbps
Firewall throughput

1.8 Million
Concurrent Sessions

21,000
New Sessions/Sec



800 Mbps
IPS Throughput

250 Mbps
SSL Inspection (IPS) Throughput



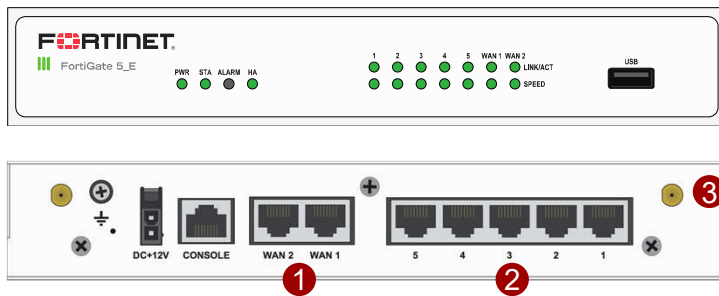
160 Mbps
NGFW Throughput



Small Business / Remote Office
Connected UTM



FortiGate/FortiWiFi 51E NEW



- ① 2 x GE RJ45 WAN Ports
- ② 5 x GE RJ45 Ports
- ③ WiFi Variant: 802.11a/b/g/n



2.5 Gbps
Firewall throughput

1.8 Million
Concurrent Sessions

21,000
New Sessions/Sec



800 Mbps
IPS Throughput

250 Mbps
SSL Inspection (IPS) Throughput



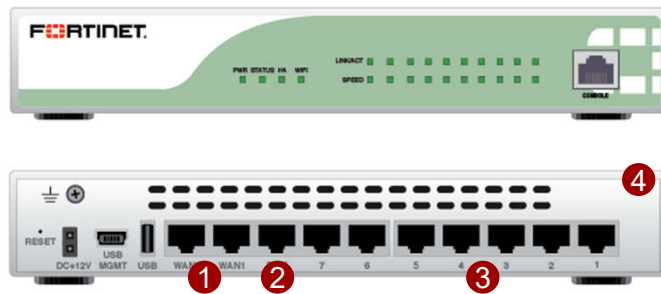
160 Mbps
NGFW Throughput



Small Business / Remote Office
Connected UTM



FortiGate/FortiWiFi 60D



- ① 2x GE RJ45 WAN Ports
- ② 1x GE RJ45 DMZ Port
- ③ 7x GE RJ45 Ports
- ④ WiFi Variant: 802.11a/b/g/n



1.5 Gbps

Firewall throughput

500,000

Concurrent Sessions

4,000

New Sessions/Sec



200 Mbps

IPS Throughput

32 Mbps

SSL Inspection (IPS) Throughput



20 Mbps

NGFW Throughput

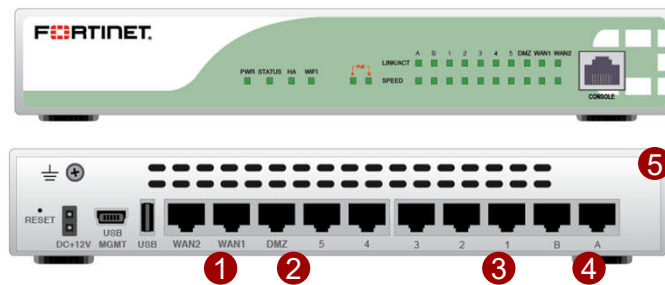


Small Business / Remote Office

Connected UTM



FortiGate/FortiWiFi 60D-POE



- ① 2x GE RJ45 WAN Ports
- ② 1x GE RJ45 DMZ Port
- ③ 5x GE RJ45 Ports
- ④ 2x GE RJ45 PoE Ports
- ⑤ WiFi Variant: 802.11a/b/g/n



1.5 Gbps
Firewall throughput

500,000
Concurrent Sessions

4,000
New Sessions/Sec



200 Mbps
IPS Throughput

32 Mbps
SSL Inspection (IPS) Throughput



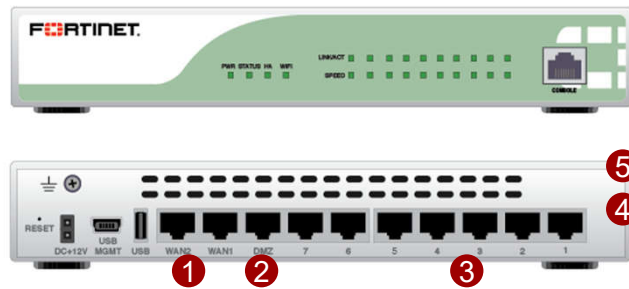
20 Mbps
NGFW Throughput



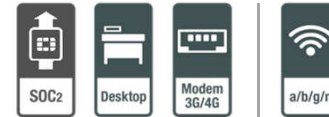
Small Business / Remote Office
Connected UTM



FortiGate/FortiWiFi 60D-3G4G-VZW



- ① 2x GE WAN Ports
- ② 1x GE DMZ Port
- ③ 7x GE RJ45 Ports
- ④ Internal 3G/4G Modem
- ⑤ WiFi Variant: 802.11a/b/g/n



1.5 Gbps

Firewall throughput

500,000

Concurrent Sessions

4,000

New Sessions/Sec



200 Mbps

IPS Throughput

32 Mbps

SSL Inspection (IPS) Throughput



20 Mbps

NGFW Throughput

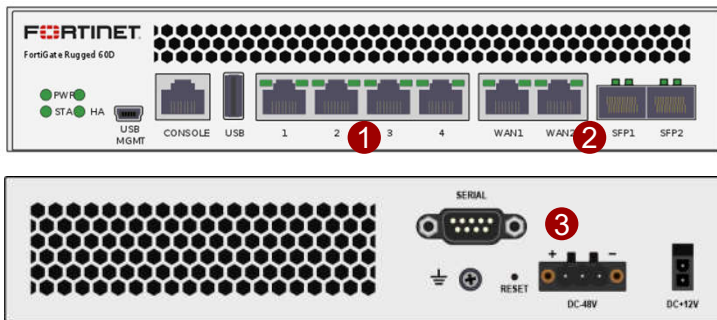


Small Business / Remote Office

Connected UTM



FortiGate Rugged-60D



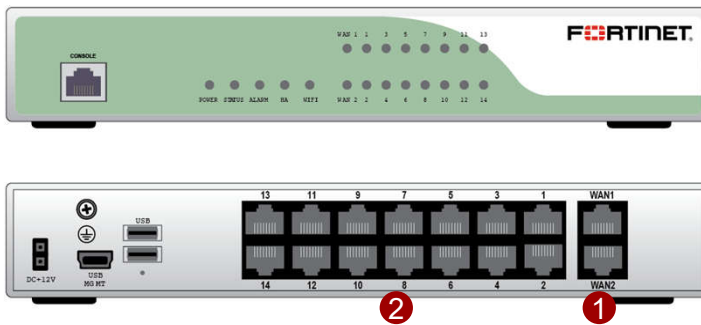
- ① 4x GE RJ45 Ports
- ② 2x Shared Media Pairs
- ③ 1x DB9 Serial Port



Hardware Performance

Firewall Throughput (1518/512/64)	1.5 / 1.5 / 1.5 Gbps	IPS Throughput	200 Mbps
Firewall Latency	4 μs	NGFW Throughput	TBA
Concurrent Sessions	500,000	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	4,000	Max Number of FortiAPs (Total/Tunnel)	10 / 5
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	1 Gbps	Client-to-Gateway IPSec VPN Tunnels	500
SSL-VPN Throughput	30 Mbps	Concurrent SSL-VPN Users (Recommended Max)	100

FortiGate 70D



- ① 2x GE RJ45 WAN Ports
- ② 14x GE RJ45 Switch Ports



3.5 Gbps

Firewall throughput

1.5 Million

Concurrent Sessions

4,000

New Sessions/Sec



275 Mbps

IPS Throughput

35 Mbps

SSL Inspection (IPS) Throughput



22.5 Mbps

NGFW Throughput

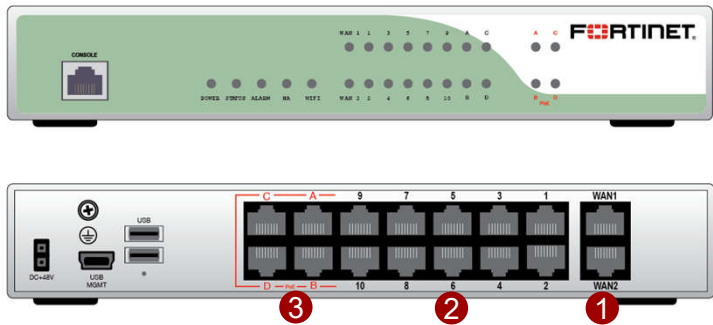


Small Business / Remote Office

Connected UTM



FortiGate 70D-POE



- ① 2x GE RJ45 WAN Ports
- ② 10x GE RJ45 Switch Ports
- ③ 4x GE RJ45 PoE Ports



3.5 Gbps

Firewall throughput

1.5 Million

Concurrent Sessions

4,000

New Sessions/Sec



275 Mbps

IPS Throughput

35 Mbps

SSL Inspection (IPS) Throughput



22.5 Mbps

NGFW Throughput

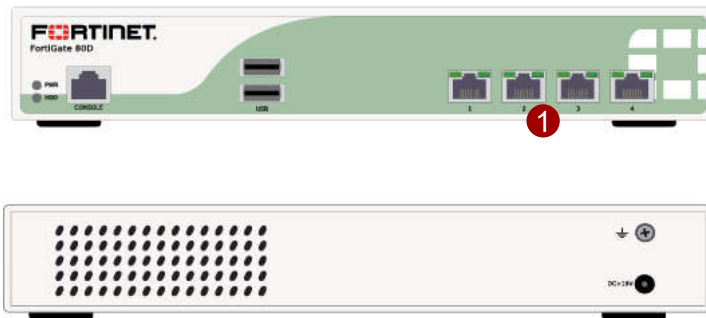


Small Business / Remote Office

Connected UTM



FortiGate 80D



① 4x GE RJ45 Ports



1.3 Gbps

Firewall throughput

1.5 Million

Concurrent Sessions

22,000

New Sessions/Sec



800 Mbps

IPS Throughput

210 Mbps

SSL Inspection (IPS) Throughput



190 Mbps

NGFW Throughput

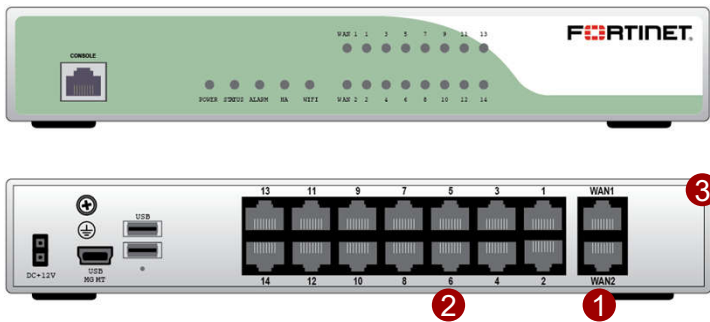


Small Business / Remote Office

Connected UTM



FortiGate/FortiWiFi 90D



- ① 2x GE RJ45 WAN Ports
- ② 14x GE RJ45 Switch Ports
- ③ WiFi Variant: 802.11a/b/g/n



3.5 Gbps

Firewall throughput

2 Million

Concurrent Sessions

4,000

New Sessions/Sec



275 Mbps

IPS Throughput

35 Mbps

NGFW Throughput



22.5 Mbps

NGFW Throughput

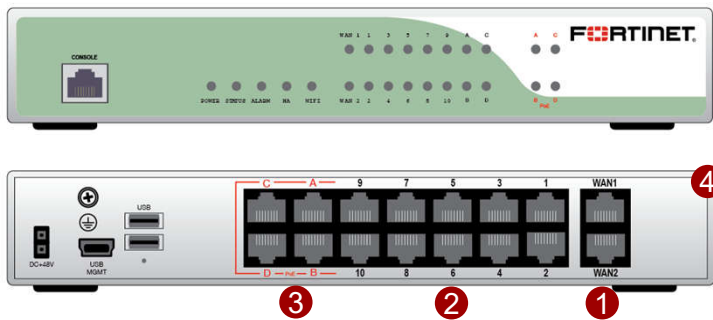


Small Business / Remote Office

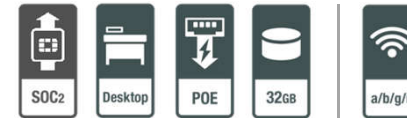
Connected UTM



FortiGate/FortiWiFi 90D-POE



- ① 2x GE RJ45 WAN Ports
- ② 10x GE RJ45 Switch Ports
- ③ 4x GE RJ45 PoE Ports
- ④ WiFi Variant: 802.11a/b/g/n



3.5 Gbps

Firewall throughput

2 Million

Concurrent Sessions

4,000

New Sessions/Sec



275 Mbps

IPS Throughput

35 Mbps

NGFW Throughput



22.5 Mbps

NGFW Throughput

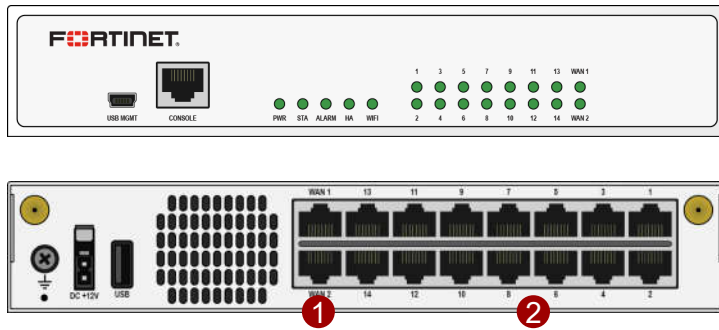


Small Business / Remote Office

Connected UTM



FortiGate/FortiWiFi 92D



- ① 2x GE RJ45 WAN Ports
- ② 14x GE RJ45 Ports
- ③ WiFi Variant: 802.11a/b/g/n



2.0 Gbps

Firewall throughput

1.5 Million

Concurrent Sessions

22,000

New Sessions/Sec



950Mbps

IPS Throughput

240 Mbps

SSL Inspection (IPS) Throughput



200 Mbps

NGFW Throughput

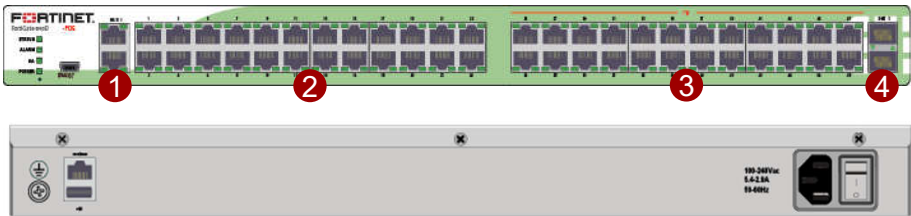


Small Business / Remote Office

Connected UTM



FortiGate 94D-POE



- ① 2x GE RJ45 WAN Ports
- ② 24x GE RJ45 Switch Ports
- ③ 24x FE RJ45 PoE Ports
- ④ 2 x GE SFP DMZ slots



3.5 Gbps
Firewall throughput

2 Million
Concurrent Sessions

4,000
New Sessions/Sec



275 Mbps
IPS Throughput

35 Mbps
SSL Inspection (IPS) Throughput



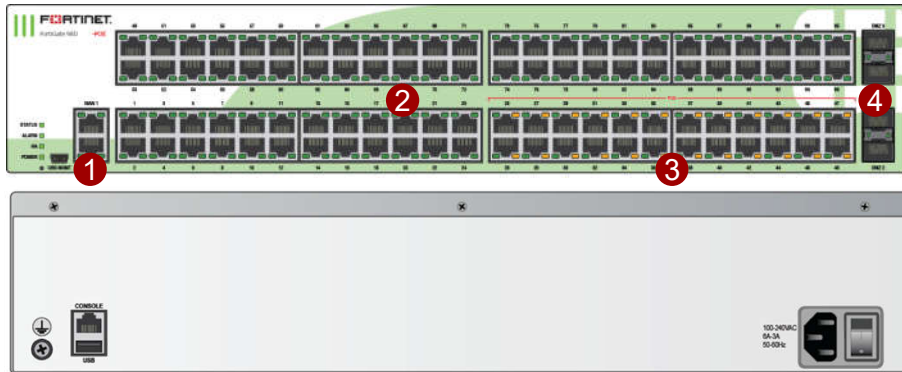
22.5 Mbps
NGFW Throughput



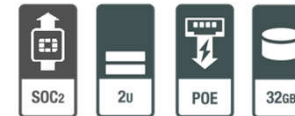
Small Business / Remote Office
Connected UTM



FortiGate 98D-POE



- ① 2x GE RJ45 WAN Ports
- ② 72x GE RJ45 Switch Ports
- ③ 24x FE RJ45 PoE Ports
- ④ 4 x GE SFP DMZ slots



3.5 Gbps

Firewall throughput

2 Million

Concurrent Sessions

4,000

New Sessions/Sec



275 Mbps

IPS Throughput

35 Mbps

SSL Inspection (IPS) Throughput



22.5 Mbps

NGFW Throughput

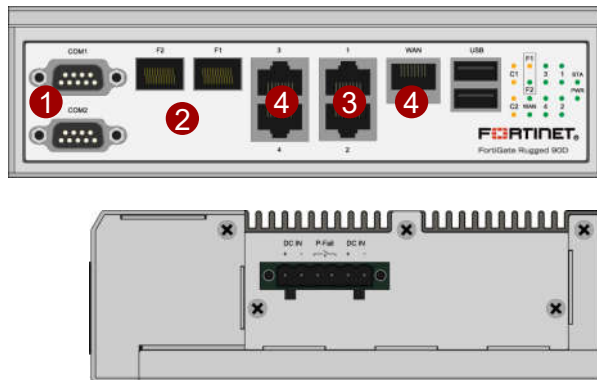


Small Business / Remote Office

Connected UTM



FortiGate Rugged-90D



- ① 2x DB9 Serial Interface/Console
- ② 2x GE SFP Slots
- ③ 1x GE RJ45 Bypass Pair
- ④ 3x GE RJ45 ports



Hardware Performance

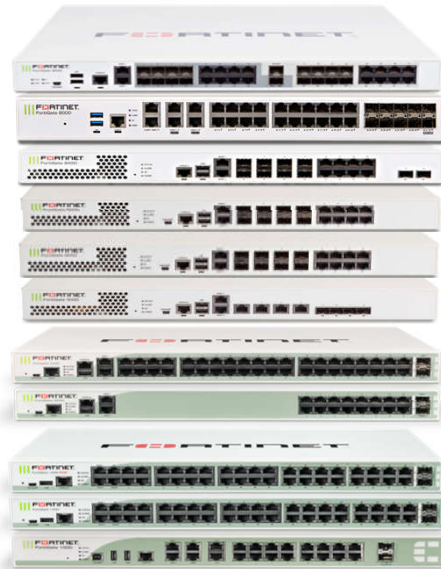
Firewall Throughput (1518/512/64)	2 Gbps	IPS Throughput	1.1 Gbps
Firewall Latency	51 μs	NGFW Throughput	TBA
Concurrent Sessions	2.5 Million	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	20,000	Max Number of FortiAPs (Total/Tunnel)	32 / 16
Firewall Policies	5,000	Max Number of FortiTokens	100
IPSec VPN Throughput	84 Mbps	Client-to-Gateway IPSec VPN Tunnels	1,000
SSL-VPN Throughput	115 Mbps	Concurrent SSL-VPN Users (Recommended Max)	200

FortiGate Mid-Range Series



High Performance, Top Rated Network Security for Mid-Sized Enterprises

-  **FG-900D**
-  **FG-800D**
-  **FG-600D**
-  **FG-500D**
-  **FG-400D**
-  **FG-300D**
-  **FG-200D Series**
-  **FG-100D Series**



Primary Benefits:

- ✓ 5x faster hardware accelerated next generation firewall offers best-in-class price/performance ratio
- ✓ Integrated High port density delivers maximum flexibility and scalability
- ✓ NSS Labs Recommended NGFW and NGIPS with consolidated security delivers top-rated protection
- ✓ Application control plus identity and device-based policy enforcement provides more granular protection
- ✓ Intuitive management interface enables broad and deep visibility that scales from a single FortiGate to thousands



FortiGate Mid Range Devices: Comparison



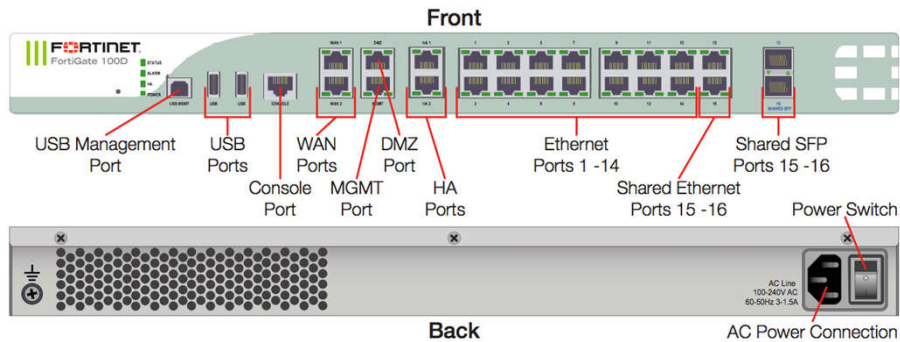
	FGT-100D	FGT-140D	FGT-200D	FGT-240D	FGT-280D-POE
Firewall (1518/512/64 byte UDP)	2500* Mbps	2500* Mbps	3 / 3 / 3 Gbps	4 / 4 / 4 Gbps	4 / 4 / 4 Gbps
Concurrent Sessions	3 Mil	3 Mil	3.2 Mil	3.2 Mil	3.2 Mil
New Sessions/Sec	22,000	22,000	77,000	77,000	77,000
IPSec VPN	450 Mbps	450 Mbps	1.3 Gbps	1.3 Gbps	1.3 Gbps
IPS (HTTP)	950 Mbps	950 Mbps	1.7 Gbps	2.1 Gbps	2.1 Gbps
NGFW (Enterprise Mix)	200 Mbps	200 Mbps	310 Mbps	310 Mbps	310 Mbps
Interfaces (LAN, WAN & DMZ)	20 x GE RJ45, 2 x GE SFP	40x GE RJ45, 2x GE SFP	18 x GE RJ45, 2 x GE SFP	42 x GE RJ45, 2 x GE SFP	54 x GE RJ45, 32 x GE PoE RJ45, 4 x GE SFP
Storage	32GB	32GB	64 GB	64 GB	64 GB
Variants	LENC,	T1 port, PoE	PoE	PoE	-

FortiGate Mid Range Devices: Comparison

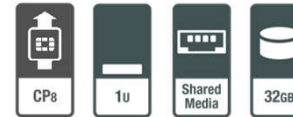


	FGT-300D	FGT-400D	FGT-500D	FG-600D	FG-800D	FG-900D
Firewall (1518/512/64 byte UDP)	8 / 8 / 8 Gbps	16 / 16 / 16 Gbps	16 / 16 / 16 Gbps	36 / 36 / 24 Gbps	36 / 36 / 22 Gbps	52 / 52 / 33 Gbps
Concurrent Sessions	6 Mil	5.5 Mil	6 Mil	5.5 Mil	5 Mil	11 Mil
New Sessions/Sec	200,000	200,000	250,000	270,000	280,000	280,000
IPSec VPN	7 Gbps	14 Gbps	14 Gbps	20 Gbps	20 Gbps	25 Gbps
IPS (HTTP)	2.8 Gbps	2.8 Gbps	4.7 Gbps	7 Gbps	8 Gbps	8 Gbps
NGFW (Enterprise Mix)	1.5 Gbps	1.5 Gbps	2 Gbps	2.4 Gbps	TBA	2.4 Gbps
Interfaces (LAN, WAN & DMZ)	6 x GE RJ45, 4 x GE SFP	10 x GE RJ45, 8 x GE SFP	10 x GE RJ45, 8 x GE SFP	2x 10GE SPF+ , 8x GE SFP, 8x GE RJ45	2x 10 GE SFP+, 8x GE SFP, 4x GE RJ45 Bypass, 22x GE RJ45	2x 10GE SPF+ , 16x GE SFP, 18x GE RJ45
Storage	120 GB	-	120 GB	120 GB	240 GB	256 GB
Variants	LENC	-	-	-	-	-

FortiGate 100D



- ① 2x GE RJ45 WAN Ports
- ② 1x GE RJ45 DMZ Interface Port
- ③ 1x GE RJ45 Mgmt Interface Port
- ④ 2x GE RJ45 HA Interface Port
- ⑤ 14x GE RJ45 Switch Ports
- ⑥ 2x Shared Media interface Pairs



2.5 Gbps

Firewall throughput

3 Million

Concurrent Sessions

22,000

New Sessions/Sec



950 Mbps

IPS Throughput

260 Mbps

SSL Inspection (IPS) Throughput



200 Mbps

NGFW Throughput

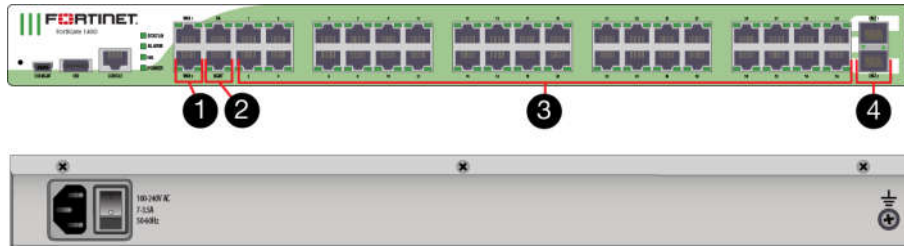


Small Business / Branch Office

Connected UTM / NGFW



FortiGate 140D



- ① 2x GE RJ45 WAN Ports
- ② 2x GE RJ45 Mgmt/HA Interface Ports
- ③ 36x GE RJ45 Switch Ports
- ④ 2x GE SFP DMZ Interface



2.5 Gbps

Firewall throughput

3 Million

Concurrent Sessions

22,000

New Sessions/Sec



950 Mbps

IPS Throughput

260 Mbps

SSL Inspection (IPS) Throughput



200 Mbps

NGFW Throughput

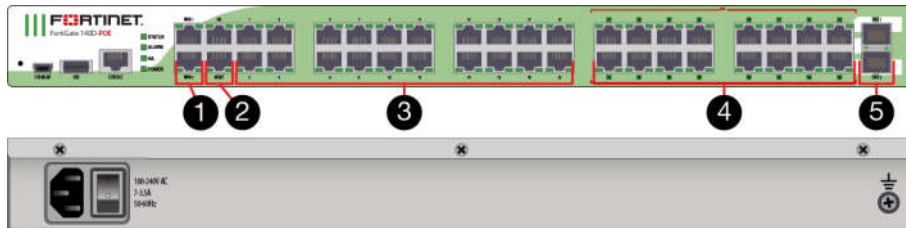


Small Business / Branch Office

Connected UTM / NGFW



FortiGate 140D-POE



- ① 2x GE RJ45 WAN Ports
- ② 2x GE RJ45 Mgmt/HA Interface Ports
- ③ 20x GE RJ45 Switch Ports
- ④ 16x GE RJ45 PoE Ports
- ⑤ 2x GE SFP DMZ Interface Ports



2.5 Gbps

Firewall throughput

3 Million

Concurrent Sessions

22,000

New Sessions/Sec



950 Mbps

IPS Throughput

260 Mbps

SSL Inspection (IPS) Throughput



200 Mbps

NGFW Throughput

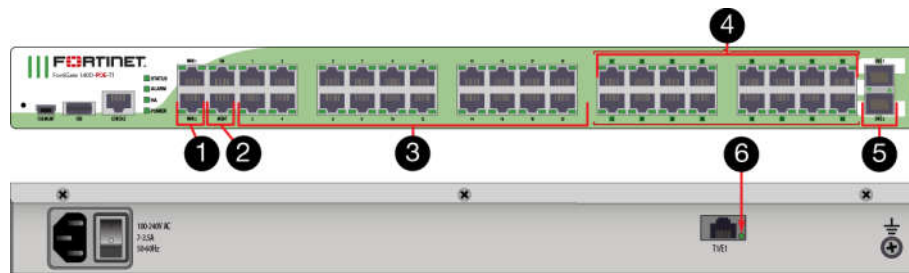


Small Business / Branch Office

Connected UTM / NGFW



FortiGate 140D-POE-T1



- ① 2x GE RJ45 WAN Ports
- ② 2x GE RJ45 Mgmt/HA Interface Ports
- ③ 20x GE RJ45 Switch Ports
- ④ 16 GE RJ45 PoE Ports
- ⑤ 2x GE SFP DMZ Interface Ports
- ⑥ 1x T1 Interface



2.5 Gbps

Firewall throughput

3 Million

Concurrent Sessions

22,000

New Sessions/Sec



950 Mbps

IPS Throughput

260 Mbps

SSL Inspection (IPS) Throughput



200 Mbps

NGFW Throughput



Small Business / Branch Office

Connected UTM / NGFW



FortiGate Rugged-100C

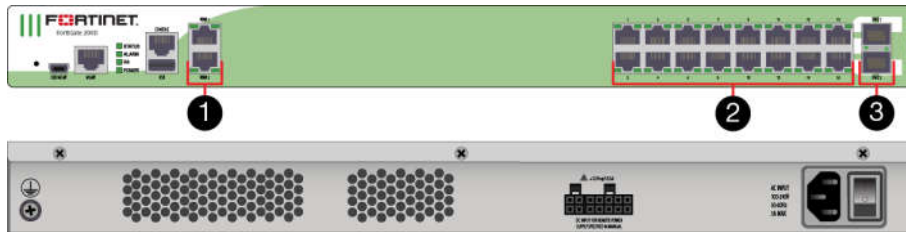


- ① 2x GE RJ45 Interfaces
- ② 4x FE Copper Interfaces
- ③ 4x 100Base-FX Interface (SC)



Hardware Performance			
Firewall Throughput (1518/512/64)	2000 / 1000 / 180 Mbps	IPS Throughput	950 Mbps
Firewall Latency	34 μs	NGFW Throughput	TBA
Concurrent Sessions	2.5 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	22,000	Max Number of FortiAPs (Total/Tunnel)	64 / 32
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	60 Mbps	Client-to-Gateway IPSec VPN Tunnels	5,000
SSL-VPN Throughput	100 Mbps	Concurrent SSL-VPN Users (Recommended Max)	200

FortiGate 200D



- ① 2x GE RJ45 WAN Ports
- ② 16x GE RJ45 Switch Ports
- ③ 2x GE SFP Slots



3 Gbps
Firewall throughput

3.2 Million
Concurrent Sessions

77,000
New Sessions/Sec



1.7 Gbps
IPS Throughput

340 Mbps
SSL Inspection (IPS) Throughput



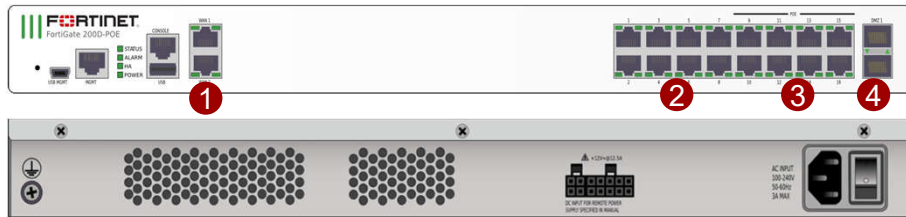
310 Mbps
NGFW Throughput



Small Business / Branch Office
Connected UTM / NGFW



FortiGate 200D-POE



- ① 2x GE RJ45 WAN Ports
- ② 8x GE RJ45 Switch Ports
- ③ 8x GE RJ45 PoE Ports
- ④ 2x GE SFP Slots



3 Gbps
Firewall throughput

3.2 Million
Concurrent Sessions

77,000
New Sessions/Sec



1.7 Gbps
IPS Throughput

340 Mbps
SSL Inspection (IPS) Throughput



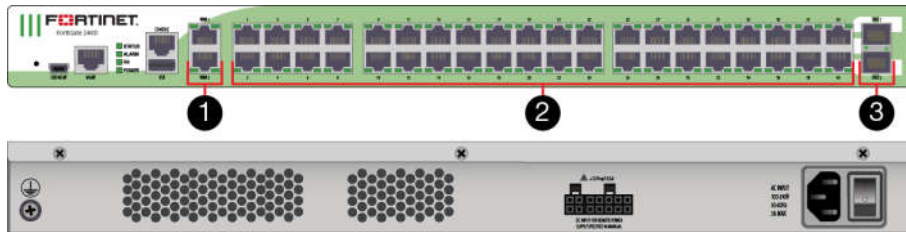
310 Mbps
NGFW Throughput



Small Business / Branch Office
Connected UTM / NGFW



FortiGate 240D



- ① 2x GE RJ45 WAN Ports
- ② 40x GE RJ45 Switch Ports
- ③ 2x GE SFP Slots



4 Gbps
Firewall throughput

3.2 Million
Concurrent Sessions

77,000
New Sessions/Sec



2.1 Gbps
IPS Throughput

340 Mbps
SSL Inspection (IPS)
Throughput



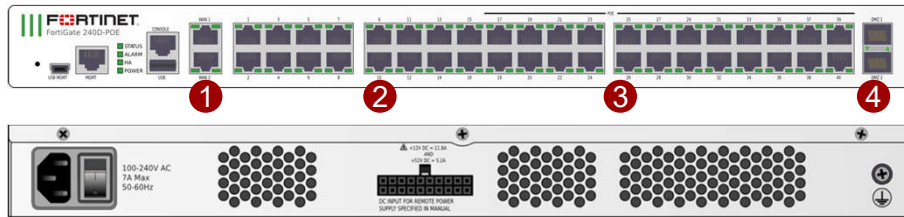
310 Mbps
NGFW Throughput



Small Business / Branch Office
Connected UTM / NGFW



FortiGate 240D-POE



- ① 2x GE RJ45 WAN Ports
- ② 16x GE RJ45 Switch Ports
- ③ 24x GE RJ45 PoE Ports
- ④ 2x GE SFP Slots



4 Gbps
Firewall throughput

3.2 Million
Concurrent Sessions

77,000
New Sessions/Sec



2.1 Gbps
IPS Throughput

340 Mbps
SSL Inspection (IPS) Throughput



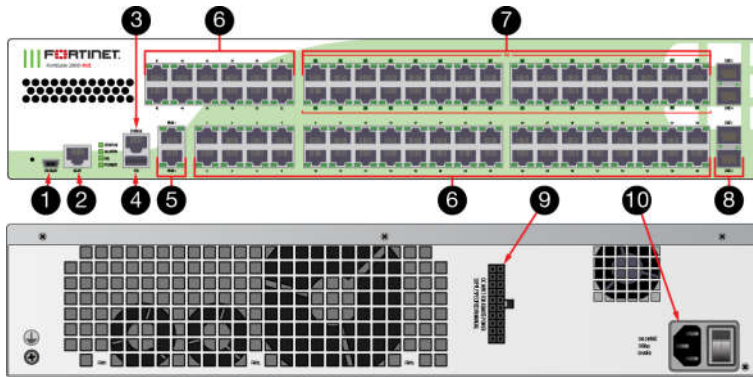
310 Mbps
NGFW Throughput



Small Business / Branch Office
Connected UTM / NGFW



FortiGate 280D-POE



- ① 2 x GE RJ45 WAN Interfaces
- ② 52 x GE RJ45 LAN Interfaces
- ③ 32 x GE RJ45 PoE LAN Interfaces
- ④ 4 x GE SFP DMZ Interfaces



3 Gbps
Firewall throughput

3.2 Million
Concurrent Sessions

77,000
New Sessions/Sec



1.7 Gbps
IPS Throughput

340 Mbps
SSL Inspection (IPS) Throughput



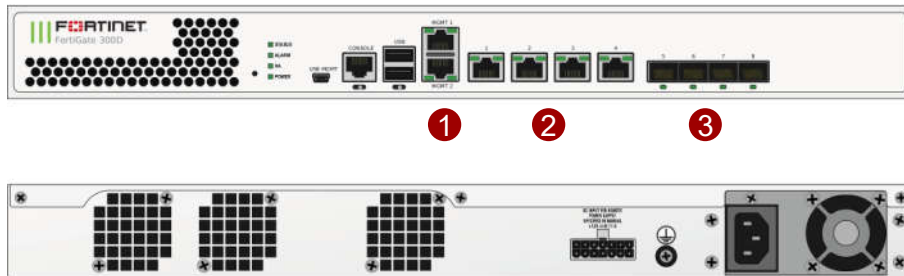
310 Mbps
NGFW Throughput



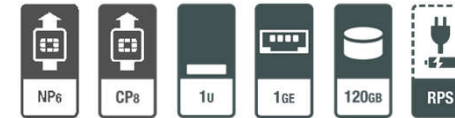
Small Business / Branch Office
Connected UTM / NGFW



FortiGate 300D



- ① 2x GE RJ45 Management Ports
- ② 4x GE RJ45 Ports
- ③ 4x GE SFP Slots



8 Gbps
Firewall throughput

6 Million
Concurrent Sessions

200,000
New Sessions/Sec



2.8 Gbps
IPS Throughput

1.9 Gbps
SSL Inspection (IPS) Throughput



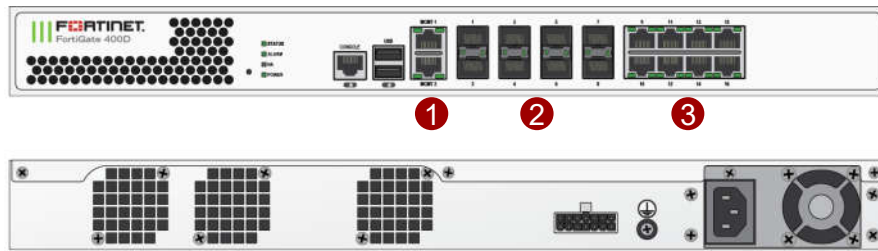
1.5 Gbps
NGFW Throughput



Branch Office / Mid Enterprise
NGFW / ISFW



FortiGate 400D



- ① 2x GE RJ45 Management Ports
- ② 8x GE SFP Slots
- ③ 8x GE RJ45 Ports



16 Gbps

Firewall throughput

5.5 Million

Concurrent Sessions

200,000

New Sessions/Sec



2.8 Gbps

IPS Throughput

1.9 Gbps

SSL Inspection (IPS)
Throughput



1.5 Gbps

NGFW Throughput

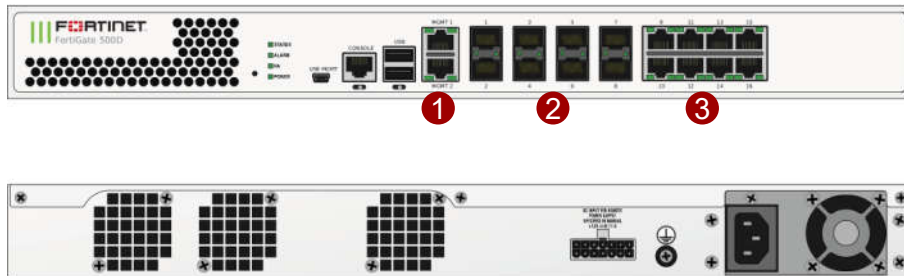


Branch Office / Mid Enterprise

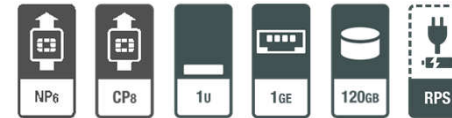
NGFW / ISFW



FortiGate 500D



- ① 2x GE RJ45 Management Ports
- ② 8x GE SFP Slots
- ③ 8x GE RJ45 Ports



16 Gbps

Firewall throughput

6 Million

Concurrent Sessions

250,000

New Sessions/Sec



4.7 Gbps

IPS Throughput

3 Gbps

SSL Inspection (IPS) Throughput



2 Gbps

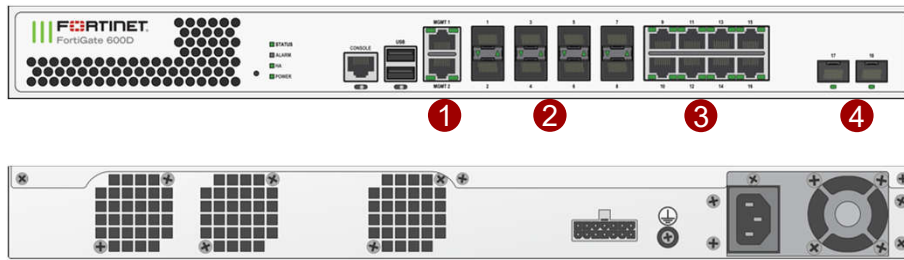
NGFW Throughput



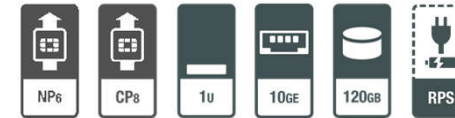
Branch Office / Mid Enterprise
NGFW / ISFW



FortiGate 600D



- ① 2x GE RJ45 Management Ports
- ② 8x GE SFP Slots
- ③ 8x GE RJ45 Ports
- ④ 2x 10GE SPF+ Slots



36 Gbps

Firewall throughput

5.5 Million

Concurrent Sessions

270,000

New Sessions/Sec



7 Gbps

IPS Throughput

3.5 Gbps

SSL Inspection (IPS)
Throughput



2.4 Gbps

NGFW Throughput

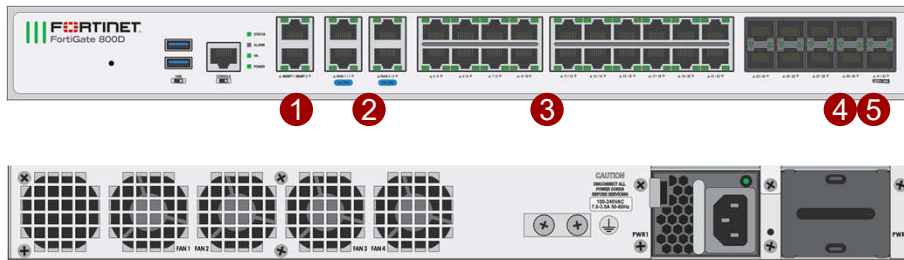


Branch Office / Mid Enterprise

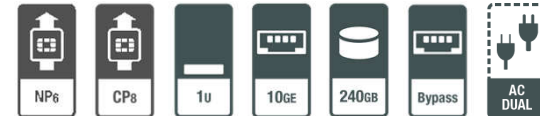
NGFW / ISFW



FortiGate 800D NEW



- ① 2x GE RJ45 Management Ports
- ② 2x Bypass GE RJ45 Pairs
- ③ 20x GE RJ45 Ports
- ④ 8x GE SPF Slots
- ⑤ 2x 10GE SPF+ Slots



36 Gbps

Firewall throughput

5 Million

Concurrent Sessions

280,000

New Sessions/Sec



8 Gbps

IPS Throughput

TBA

SSL Inspection (IPS) Throughput



TBA

NGFW Throughput

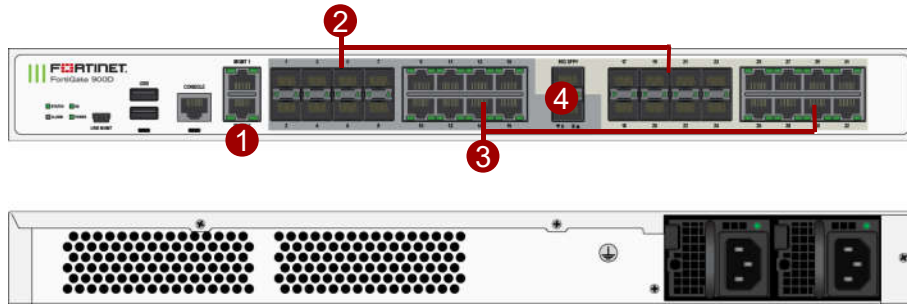


Branch Office / Mid Enterprise

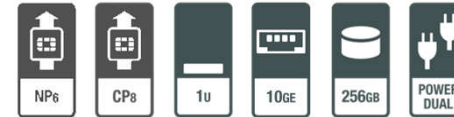
NGFW / ISFW



FortiGate 900D



- ① 2x GE RJ45 Management Ports
- ② 16x GE SFP Slots
- ③ 16x GE RJ45 Ports
- ④ 2x 10GE SFP+ Slots



52 Gbps

Firewall throughput

11 Million

Concurrent Sessions

280,000

New Sessions/Sec



8 Gbps

IPS Throughput

4 Gbps

SSL Inspection (IPS) Throughput



2.4 Gbps

NGFW Throughput



Branch Office / Mid Enterprise









NGFW / ISFW

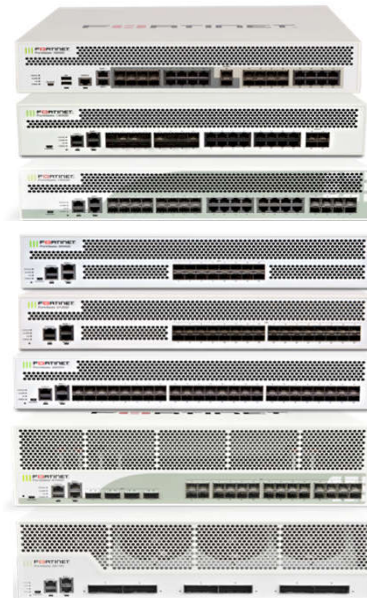


FortiGate High End Series



Data Center Firewall / Large Enterprise NGFW with High Speed Interfaces

-  **FG-1000D**
-  **FG-1200D**
-  **FG-1500D/-DC**
-  **FG-3000D/-DC**
-  **FG-3100D/-DC**
-  **FG-3200D/-DC**
-  **FG-3700D/-DC**
-  **FG-3810D/-DC**



Primary Benefits:

- ✓ Industry leading 10x data center firewall offers exceptional throughput and ultra-low latency
- ✓ Highly available and Virtual Domain (VDOM) support for multi-tenant data center environment
- ✓ Integrated High-Speed 10 GE/40 GE/100 GE ports deliver maximum flexibility and scalability
- ✓ Intuitive management interface enables broad and deep visibility and control
- ✓ NSS Labs Recommended consolidated security delivers top-rated protection



FortiGate 1000 Series: Comparison



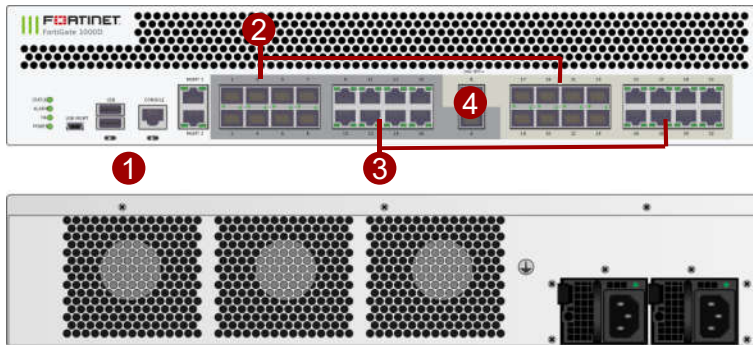
	FG-1000D	FG-1200D	FG-1500D
Firewall (1518/512/64 byte UDP)	52 / 52 / 33 Gbps	72 / 72 / 55 Gbps	80 / 80 / 55 Gbps
Concurrent Sessions	11 Mil	11 Mil	12 Mil
New Sessions/Sec	280,000	290,000	300,000
IPSec VPN	25 Gbps	48 Gbps	50 Gbps
IPS (HTTP)	8 Gbps	11 Gbps	15 Gbps
NGFW (Enterprise Mix)	2.4 Gbps	2.4 Gbps	4.5 Gbps
Interfaces	2x 10GE SPF+ , 16x GE SFP, 18x GE RJ45,	4x 10GE SPF+ , 16x GE SFP, 18x GE RJ45	8x 10GE SPF+ , 16x GE SFP, 18x GE RJ45
Storage	256 GB	240 GB	480 GB
Variants	-	-	DC

FortiGate 3000 Series: Comparison

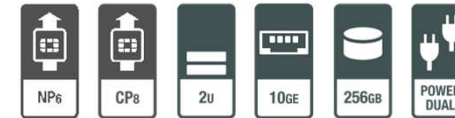


	FG-3000D	FG-3100D	FG-3200D	FG-3700D	FG-3810D	FG-3815D
Firewall (1518/512/64 byte UDP)	80 / 80 / 50 Gbps	80 / 80 / 50 Gbps	80 / 80 / 50 Gbps	160 / 160 / 110 Gbps	320 / 300 / 150 Gbps	320 / 300 / 150 Gbps
Concurrent Sessions	50 Mil	50 Mil	50 Mil	50 Mil	95 Mil	95 Mil
New Sessions/Sec	400,000	400,000	400,000	400,000	480,000	480,000
IPSec VPN	50 Gbps	50 Gbps	50 Gbps	100 Gbps	135 Gbps	135 Gbps
IPS (HTTP)	30 Gbps	30 Gbps	30 Gbps	30 Gbps	30 Gbps	30 Gbps
NGFW (Enterprise Mix)	12 Gbps	12 Gbps	12 Gbps	12 Gbps	12 Gbps	12 Gbps
Interfaces	16x 10GE SFP+ 2 x GE RJ45	32x 10GE SFP+ 2 x GE RJ45	48x 10GE SFP+ 2 x GE RJ45	4 x 40GE QSFP+, 20 x 10-GE SFP+ /GE SFP Slots, 8 x ultra-low latency 10 GE SFP+ slots, 2 x GE RJ45	6 x 100GE CFP2, 2 x GE RJ45	4 x 100GE CFP2, 10x 10GE SFP+, 2 x GE RJ45
Storage	480 GB	480 GB	960 GB	960 GB	960 GB	960 GB
Variants	DC	DC	DC	DC, NEBS	DC	DC

FortiGate 1000D



- ① 2x GE RJ45 Management Ports
- ② 16x GE SFP Slots
- ③ 16x GE RJ45 Ports
- ④ 2x 10GE SFP+ Slots



52 Gbps

Firewall throughput

11 Million

Concurrent Sessions

280,000

New Sessions/Sec



8 Gbps

IPS Throughput

4 Gbps

SSL Inspection (IPS) Throughput



2.4 Gbps

NGFW Throughput

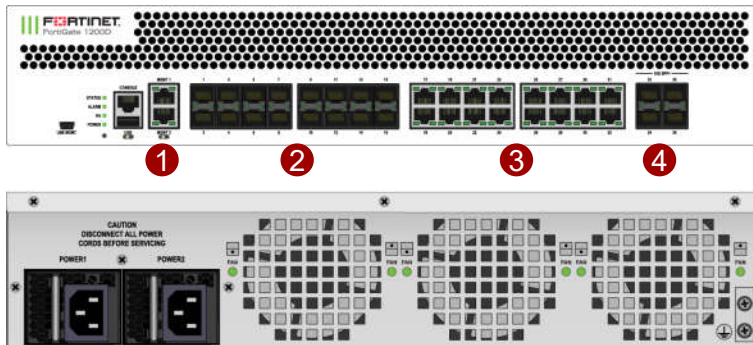


Large Enterprise / Data Center

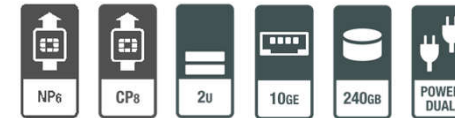
NGFW / ISFW / DCFW



FortiGate 1200D



- ① 2x GE RJ45 Management Ports
- ② 16x GE SFP Slots
- ③ 16x GE RJ45 Ports
- ④ 4x 10GE SFP/+ Slots



72 Gbps

Firewall throughput

11 Million

Concurrent Sessions

290,000

New Sessions/Sec



11 Gbps

IPS Throughput

6 Gbps

SSL Inspection (IPS) Throughput



2.4 Gbps

NGFW Throughput

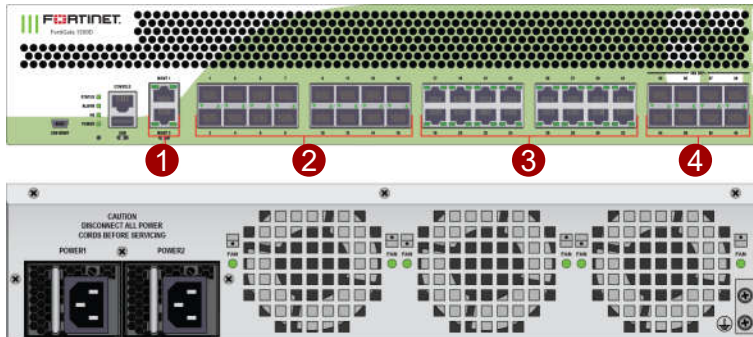


Large Enterprise / Data Center

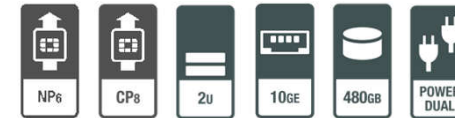
NGFW / ISFW / DCFW



FortiGate 1500D



- ① 2x GE RJ45 Management Ports
- ② 16x GE SFP Slots
- ③ 16x GE RJ45 Ports
- ④ 8x 10GE SFP/+ Slots



80 Gbps

Firewall throughput

12 Million

Concurrent Sessions

300,000

New Sessions/Sec



15 Gbps

IPS Throughput

10.5 Gbps

SSL Inspection (IPS) Throughput



4.5 Gbps

NGFW Throughput

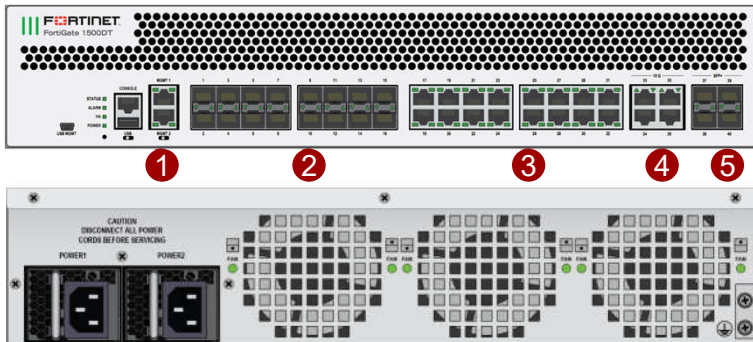


Large Enterprise / Data Center

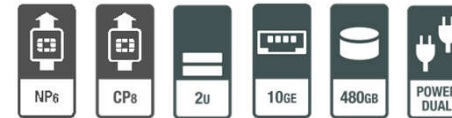
NGFW / ISFW / DCFW



FortiGate 1500DT



- ① 2x GE RJ45 Management Ports
- ② 16x GE SFP Slots
- ③ 16x GE RJ45 Ports
- ④ 4x 10GE RJ45 Ports
- ⑤ 4x 10GE SPF/+ Slots



80 Gbps

Firewall throughput

12 Million

Concurrent Sessions

300,000

New Sessions/Sec



15 Gbps

IPS Throughput

10.5 Gbps

SSL Inspection (IPS) Throughput



4.5 Gbps

NGFW Throughput

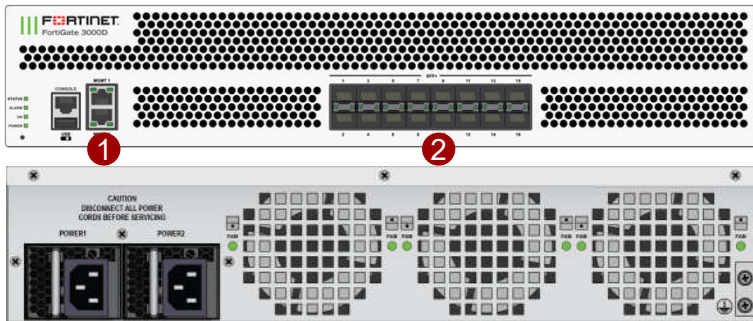


Large Enterprise / Data Center

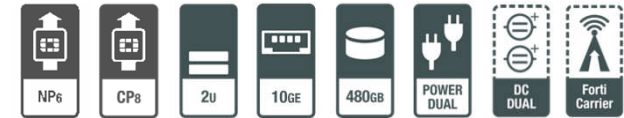
NGFW / ISFW / DCFW



FortiGate 3000D



- ① 2x GE RJ45 Management Ports
- ② 16x 10G SFP+/GE SFP Slots



80 Gbps

Firewall throughput

50 Million

Concurrent Sessions

400,000

New Sessions/Sec



30 Gbps

IPS Throughput

15 Gbps

SSL Inspection (IPS) Throughput



12 Gbps

NGFW Throughput

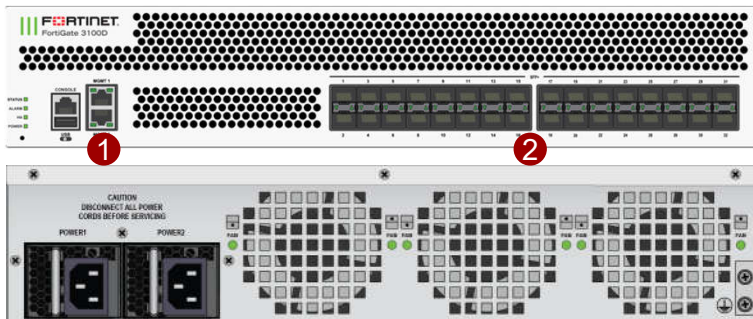


Large Enterprise / Data Center / Service Provider

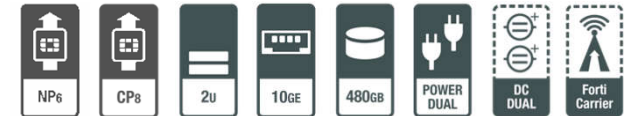
NGFW / ISFW / DCFW / CCFW



FortiGate 3100D



- ① 2x GE RJ45 Management Ports
- ② 32x 10G SFP+/GE SFP Slots



80 Gbps

Firewall throughput

50 Million

Concurrent Sessions

400,000

New Sessions/Sec



30 Gbps

IPS Throughput

15 Gbps

SSL Inspection (IPS) Throughput



12 Gbps

NGFW Throughput

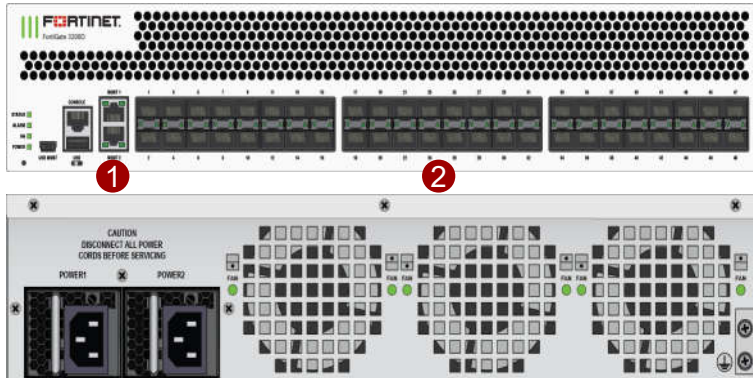


Large Enterprise / Data Center / Service Provider

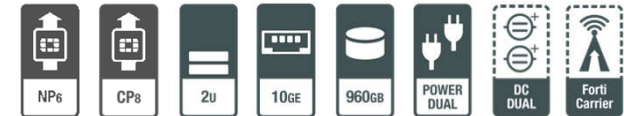
NGFW / ISFW / DCFW / CCFW



FortiGate 3200D



- ① 2x GE RJ45 Management Ports
- ② 48x 10G SFP+/GE SFP Slots



80 Gbps

Firewall throughput

50 Million

Concurrent Sessions

400,000

New Sessions/Sec



30 Gbps

IPS Throughput

15 Gbps

SSL Inspection (IPS) Throughput



12 Gbps

NGFW Throughput

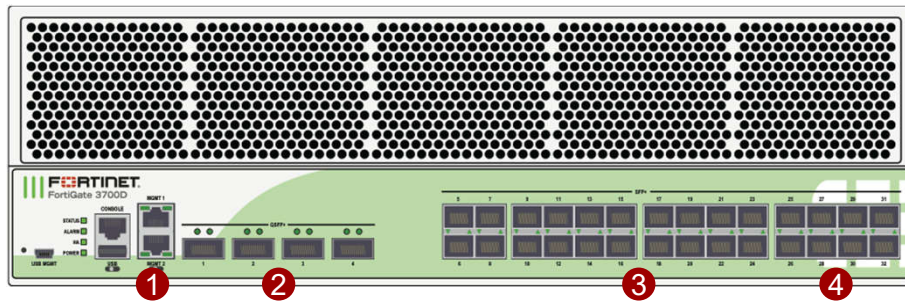


Large Enterprise / Data Center / Service Provider

NGFW / ISFW / DCFW / CCFW



FortiGate 3700D/DX



- ① 2 x GE RJ45 Management Ports
- ② 4 x 40GE QSFP Slots
- ③ 20 x 10GE SFP/+ Slots
- ④ 8 ultra-low latency 10GE SFP+ Slots



160 Gbps

Firewall throughput

50 Million

Concurrent Sessions

480,000

New Sessions/Sec



30 Gbps

IPS Throughput

15 Gbps

SSL Inspection (IPS) Throughput



12 Gbps

NGFW Throughput

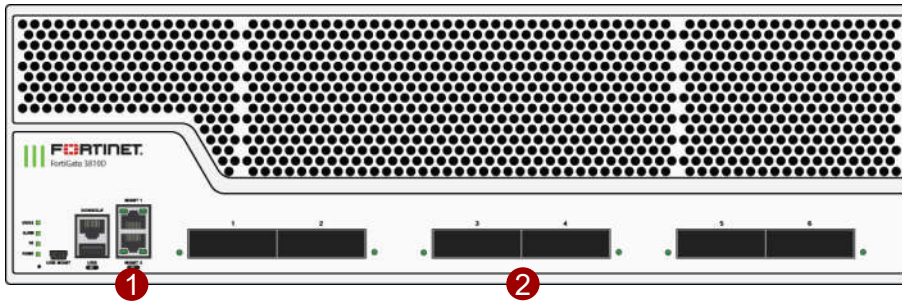


Large Enterprise / Data Center / Service Provider

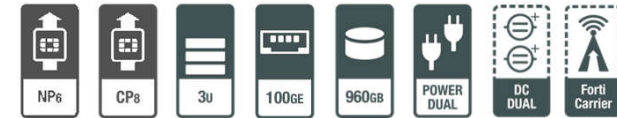
NGFW / ISFW / DCFW / CCFW



FortiGate 3810D



- ① 2 x GE RJ45 Management Ports
- ② 6 x 100GE CFP2 Slots



320 Gbps

Firewall throughput

95 Million

Concurrent Sessions

480,000

New Sessions/Sec



30 Gbps

IPS Throughput

15 Gbps

SSL Inspection (IPS) Throughput



12 Gbps

NGFW Throughput

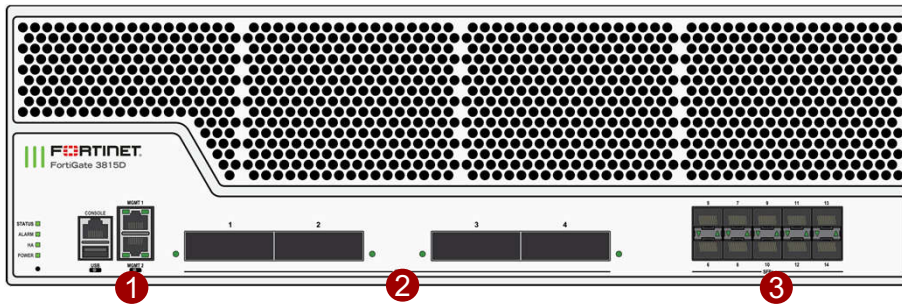


Large Enterprise / Data Center / Service Provider

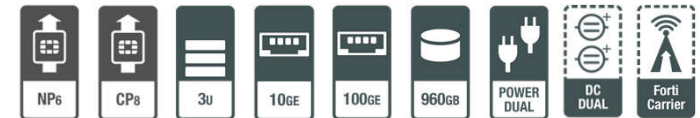
NGFW / ISFW / DCFW / CCFW



FortiGate 3815D



- ① 2 x GE RJ45 Management Ports
- ② 4 x 100GE CFP2 Slots
- ③ 10x 10GE SFP+ Slots



80 Gbps

Firewall throughput

50 Million

Concurrent Sessions

400,000

New Sessions/Sec



30 Gbps

IPS Throughput

TBA

SSL Inspection (IPS) Throughput



TBA

NGFW Throughput



Large Enterprise / Data Center / Service Provider

NGFW / ISFW / DCFW / CCFW



FortiGate 5000 Series



Security Appliances For Very Large Enterprises & Service Providers



**FG-5144C with FG-5001D
& FCTL-5903C**

- Chassis-based platforms offer maximum performance, reliability, and scalability for high-speed service provider, large enterprise or telecommunications carrier networks.
- Flexibility enables protection of complex, multi-tenant cloud-based security-as-a-service and infrastructure-as-a-service environments.

Primary Benefits:

- ✓ Native 10GE support for high speed requirements
- ✓ ATCA-compliant architecture delivers carrier-grade performance, reliability, availability and serviceability
- ✓ Chassis support two, six, or fourteen FortiGate-5000 series blades, allowing customization and scaling

FortiGate 5000-Series Bundles



- **Standard Based ATCA System**
- **Fully Redundant – Hot swappable blades, power supplies and fans**



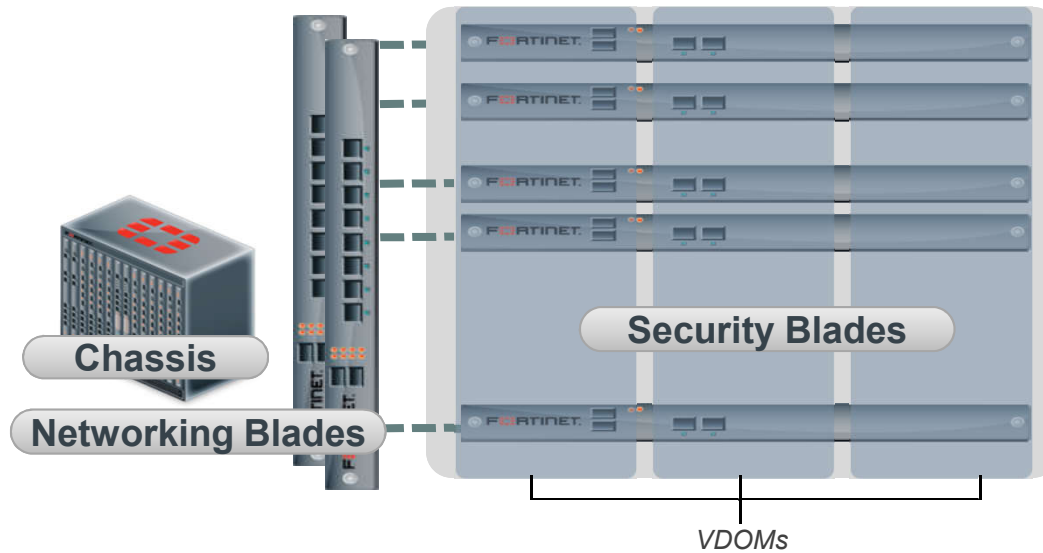
	FG-5060-Base	FG-5060-Full	FG 5144C-Base	FG 5144C-Full
Firewall Throughput	160 Gbps	400 Gbps	160 Gbps	960 Gbps
Concurrent Sessions	46 Million	115 Million	46 Million	276 Million
New Sessions/Sec	1.13 Million	2.82 Million	1.13 Million	6.78 Million
IPS (HTTP)	36 Gbps	90 Gbps	36 Gbps	216 Gbps

* Based on sum of individual Security Blades, not as a controller-based system.

Load Distribution & Virtualization

Most flexible chassis based solution in the market

- ✓ Ease of Maintenance – hot swappable components
- ✓ Supports full hardware redundancy
- ✓ Supports various Inter and Intra HA configurations



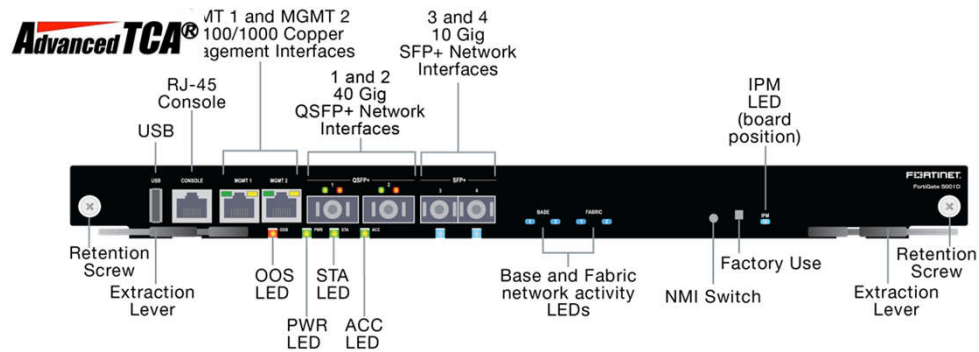
Clustering	Virtualization
Scales Traffic processing capacity linearly. Interoperates with external devices	Facilitates virtualized security components on FortiGate blades

FortiGate 5000 Series: Comparison

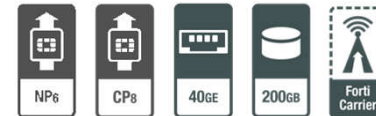


	FG-5001B	FG-5001C	FG-5101C	FG-5001D
Firewall (1518/512/64 byte UDP)	20 / 20 / 20 Gbps	40 / 40 / 40 Gbps	40 / 40 / 10 Gbps	80 / 80 / 55 Gbps
Concurrent Sessions	11 Mil	29.5 Mil	10 Mil	Mil
New Sessions/Sec	170,000	210,000	235,000	565,000
IPSec VPN	17 Gbps	17 Gbps	22 Gbps	Gbps
IPS (HTTP)	7.8 Gbps	9.8 Gbps	9.4 Gbps	Gbps
Interfaces	8x 10GE SFP+, 2x GE RJ45	2x 10GE SFP+, 2x GE RJ45	4x 10GE SFP+, 2x GE RJ45	2x 40GE QSFP+, 2x 10GE SFP+, 2x GE RJ45
Storage	64 GB	128 GB	64 GB	200 GB
Variants	-	-	-	-

FortiGate 5001D



- ① 2x 40GE slots
- ② 2x 10GE slots
- ③ 2x GE RJ45 MGMT ports
- ④ Back plane connectivity : 2x base backplane 1Gbps, 4x fabric backplane 10/40Gbps



80 Gbps

Firewall throughput

23 Million

Concurrent Sessions

565,000

New Sessions/Sec



18 Gbps

IPS Throughput

9 Gbps

SSL Inspection (IPS) Throughput



6.1 Gbps

NGFW Throughput



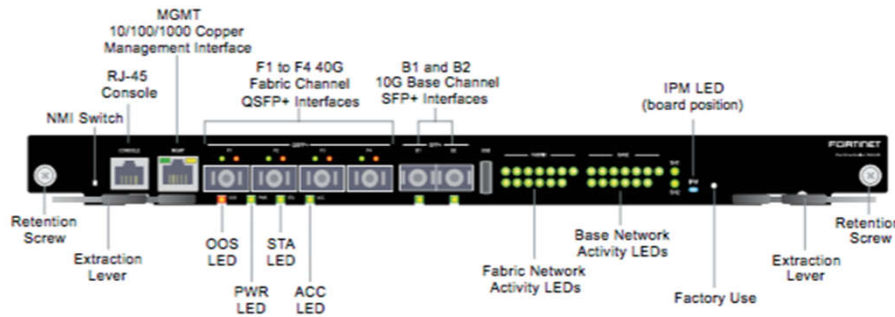
Data Center / Service Provider

DCFW /CCFW



FortiController 5902D

Advanced TCA®



- ① 4x 40 GE QSFP+
- ② 2 x 10GE SFP+
- ③ 1x GE RJ45 Ports



80 Gbps

Firewall throughput

50 Million

Concurrent Sessions

155,000

New Sessions/Sec



18 Gbps

IPS Throughput

9 Gbps

SSL Inspection (IPS) Throughput



6.1 Gbps

NGFW Throughput

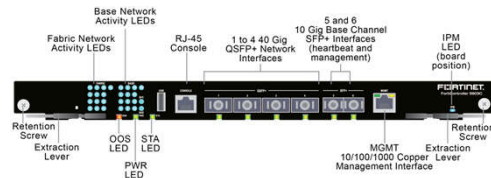


Data Center / Service Provider

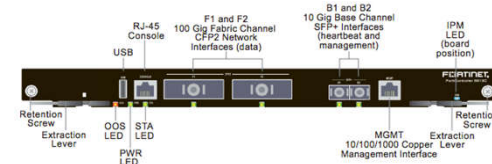
DCFW /CCFW



FortiController 5903C/5913C



- ① 4x 40 GE QSFP+
- ② 2x 10 GE SFP+
- ③ 1x GE RJ45



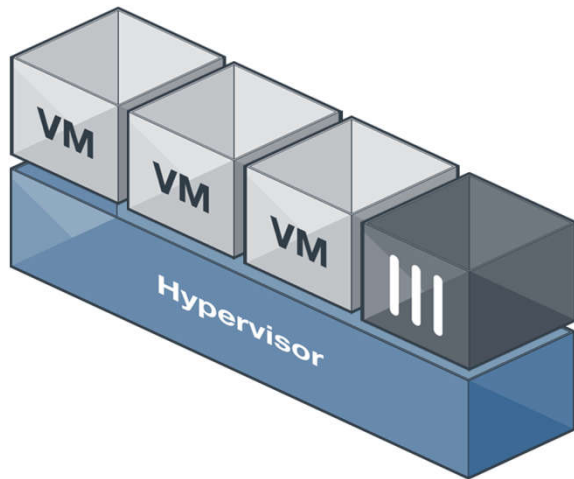
- ① 2x 100 GE CFP2
- ② 2x 10 GE SFP+
- ③ 1x GE RJ45

	FCTRL-5903C	FCTRL-5913C
Maximum Traffic Throughput	120 Gbps	200 Gbps
Concurrent Sessions	135 Million	135 Million
New Sessions/Second (TCP)	3.2 Million	3.6 Million

FortiGate Virtual Appliance Series



Agile Security for Virtual Environments



 **FG-VM**

Primary Benefits:

- ✓ Increased visibility and security within virtualized infrastructure better protect critical resources
- ✓ Ability to manage virtual appliances and physical appliances from a single pane of glass management platform reduces TCO
- ✓ Comprehensive Hypervisor support
- ✓ Feature-rich security and virtual networking support facilitate wide deployment and requirement options



FortiGate-VM



	FG-VM00	FG-VM01	FG-VM02	FG-VM04	FG-VM08
vCPU (Min / Max)	1/1	1/1	1/2	1/4	1/8
Network Interface (Min /Max)	2/10	2/10	2/10	2/10	2/10
Memory (Min / Max)	1 GB	1 GB / 2 GB	1 GB / 4 GB	1 GB / 6 GB	1 GB/ 12 GB
Storage Support (Min/Max)	30 GB / 2TB	30 GB / 2TB	30 GB / 2TB	30 GB / 2TB	30 GB / 2TB
Max FortiAP	32	256	512	512	1,024
VDOM (Default/Max)	1 / 1	10 / 10	10 / 25	10 / 50	10/ 250

VMware ESX/ESXi 3.5/4.0/4.1/5.0, Citrix XenServer 5.6 SP2/6.0, Open Source Xen 3.4.3 / 4.1

Transceivers & Breakout Cables



Max Dist.	SFP (GE)	XFP (10GE)	SFP+ (10GE)	QSFP+ (40GE)	CFP2 (100GE)
10 M			SP-CABLE-ADASFP+		
26 M		FG-TRAN-XFPSR	FG-TRAN-SFP+SR FS-TRAN-SFP+SR		
100 M	FG-TRAN-GC FS-TRAN-GC			FG-TRAN-QSFP+SR (on OM3 MMF)	FG-TRAN-CFP2-SR10
150 M				FG-TRAN-QSFP+SR (on OM4 MMF)	
220 M	FG-TRAN-SX FR-TRAN-SX		FS-TRAN-SFP+LRM		
5 KM	FG-TRAN-LX FR-TRAN-LX				
10 KM		FG-TRAN-XFPLR	FG-TRAN-SFP+LR		FG-TRAN-CFP2-LR4
40 KM			FS-TRAN-SFP+ER		
90 KM	FR-TRAN-ZX				
Breakout Cable				1 QSFP to 4 SFP, OM3. MMF	1 CFP2 to 10 SFP+, SR
1 Meter Length				FG-TRAN-QSFP-4XSFP	FG-CABLE-SR10-SFP+
5 meter Length				FG-TRAN-QSFP-4SFP-5	FG-CABLE-SR10-SFP+5

Transceivers



	Available Slots	Transceivers Shipped
FG60C-SPF	1 SFP	NIL
FG100D	2 SFP	NIL
FG140D/140D-POE/140D-POE-T1	2 SFP	NIL
FG-200D/200D-POE/240D/240-POE	2 SFP	NIL
FG-280D-POE	4 SFP	NIL
FG300D/400D/500D/600D	4/8/8/8 SFP	2x Fiber SX SFP modules (1000BaseSX)
FG600C	2 SFP	2x Fiber SX SFP modules (1000BaseSX)
FG800C/1000C	2 SFP+ 4 SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-800D	2 SFP+ 8 SFP	2x Fiber SX SFP modules (1000BaseSX)
FG-900D/1000D	2 SFP+ 16 SFP	NIL
FG-1200D	4 SFP/+ 16 SFP	NIL
FG1240B	24 SFP	2x Fiber SX SFP modules (1000BaseSX)

Transceivers



	Available Slots	Transceivers Shipped
FG1500D	8 SFP/+ 16 SFP	2x SFP+ (SR 10GE)
FG3040B	8 SFP+ 10 SFP	2x SFP+ (SR 10GE)
FG3140B	10 SFP+ 10 SFP	2x SFP+ (SR 10GE)
FG3240C	12 SFP+ 16 SFP	2x SFP+ (SR 10GE)
FG3000D	16 SFP+	2x SFP+ (SR 10GE)
FG3100D	32 SFP+	2x SFP+ (SR 10GE)
FG3200D	48 SFP+	2x SFP+ (SR 10GE)
FG3600C	12 SFP+ 16 SFP	2x SFP+ (SR 10GE)
FG3700D/DX	4 QSFP+, 20 SFP/+ 8 SFP+	2x SFP+ (SR 10GE)
FG3810D	6 CFP2	NIL but include FG-CABLE-SR10-SFP+
FG3815D	4 CFP2 10 SFP+	2x SFP+ (SR 10GE) FG-CABLE-SR10-SFP+

Transceivers



	Available Slots	Transceivers Shipped
FG3950B	2 SFP+ 4 SFP	2x SFP+ (SR 10GE)
FG5001C	2 SFP+	2x SFP+ (SR 10GE)
FG5001D	2 SFP+ 2 QSFP+	2x SFP+ (SR 10GE)
FG5101C	4 SFP+	2x SFP+ (SR 10GE)
FG5003B	10 SFP+	2x SFP+ (SR 10GE)
FCTL5903C	2 SFP+ 4 QSFP+	2x SFP+ (SR 10GE)

Power Adapters & Redundant Power Supplies



	Spare/Redundant Power Supplies Option
FG/FWF-20C, 30D	SP-FG20C-PA-XX
FG/FWF-30D-POE	SP-FG30D-POE-PDC
FG/FWF-40C, 60C, 60D, /60D-3G4G, 90D, FG-70D	SP-FG60C-PDC
FG/FWF-60D-POE	SP-FG60D-POE-PDC
FG-80D	SP-FG80D-PDC
FG/FWF-90D-POE, FG-70D-POE	SP-FG90D-POE-PDC
FG/FWF-92D	SP-FG92D-PDC
FG/FWF-80C, 60B, 50B, 30B Series	SP-FG80-PDC
FG-200B	SP-FG310B-RPS, FRPS-100 (max 2 units)
FG/FWF-92D	SP-FG92D-PDC
FG-200B-POE	NIL
FG-200D, 240D	FRPS-100 (max 2 units)
FG-200D/240D/280-POE	3 rd Party RPS
FG-310B,300C	SP-FG310B-RPS FRPS-100 (max 4 units)
FG-311B	Inbuilt dual PS







Power Adapters & Redundant Power Supplies



	Spare/Redundant Power Supplies Option
FG-300D	FRPS-100 (max 2 units)
FG-400D/500D	FRPS-100 (max 2 units)
FG-600C, 800C	SP-FG600C-PS (additional as option)
FG-600C-DC, FG-800C-DC	SP-FG600C-DC-PS (additional as option)
FG600D	FRPS-100 (max 2 units)
FG-620B, 621B	SP-FG620B-RPS
FG-800D	SP-FG600C-PS (additional as option)
FG-1000C, FG-1000C-DC	SP-FG600C-PS, SP-FG600C-DC-PS (spare)
FG-900D/1000D	SP-FXX1000D
FG-1200D	SP-FG1240B-PS
FG-1240B, FG-1500D, FG-3040B, FG-3140B	SP-FG1240B-PS (spare)
FG-3000D, FG-3100D, FG-3240C, 3200D, FG-3600C	SP-FG3600C-PS (spare)
FG-3700D, FG-3700D-DC	SP-FG3700D-PS, SP-FG3700D-DC-PS (spare)
FG-3810D/3815D	SP-FG3700D-PS (spare)
FG-3810A, FG-3810A-DC	SP-FG3810A-PS, SP-FG3810A-DC-PS (spare)
FG-3950B, FG-3951B	SP-FG3950B-PS (spare)

Power Cords



C14 Inlet		SP-FGPCOR-US	SP-FGPCOR-UK	SP-FGPCOR-EU	SP-FGPCOR-AZ
*C6 Inlet		SP-FG60CPCOR-US	SP-FG60CPCOR-UK	SP-FG60CPCOR-EU	SP-FG60CPCOR-AU
		NEMA 5-15	BS 1363	CEE7 VII	AS/NZS 3112
		Type B	Type G	Type C, E, F, K	Type I
					

http://en.wikipedia.org/wiki/AC_power_plugs_and_sockets
<http://www.worldstandards.eu/electricity/plug-voltage-by-country/>

* For FG-60C and FG/FWF-40C, FG/FWF-60D & FG/FWF-90D

Hard Disks



	SP-D1000	SP-D1TB	SP-D1TC	SP-D2TC	SP-D2000	SP-D2000A	SP-DFWB2T	SP-D960
FortiManager			1000C, 3000C	3000C gen2, 4000D	1000D			3900E
FortiAnalyzer		4000B	1000C, 2000B	1000C Gen2 2000B Gen2, 3000D	1000D	3500D		3900E
FortiMail			2000B, 3000C	2000B Gen2, 3000D	1000D			
FortiWeb	1000D		1000C, 3000C	3000D, 4000C, 4000D	1000D		3000E 4000E	
FortiDB			1000C, 2000B	3000D	1000D			
FortiScan	1000D		3000C	3000D				
FortiAuthenticator			1000C, 3000B	3000D	1000D			
FortiCache			1000C, 3000C	1000C Gen2, 3000D	1000D			
FortiSandbox				3000D	1000D			

FortiGate Modules



	FG 310B 311B	FG 620B	FG 1240B	FG 3016B	FG 3600A	FG 3810A	FG 5001A-SW	FG 5001A-DW
ASM-FB4 Module	•	•		•	•	••	•	
ADM-FB8 Module						••		•
ADM-XB2 Module						••		•
ASM-CX4 Module	•	•	•	•	•	••	•	
ASM-FX2 Module	•	•	•	•	•	••	•	
ASM-CE4 Module			•	•		••*	•	
ADM-XE2 Module						••*		•
ASM-ET4 Module	•							
ASM-SAS Module	•	•		•	•	•	•	
ASM-S08 Module	•	•		•	•	•	•	
ADM-FE8 Module						•^		
ADM-XD4 Module						••	•	

FortiGate Modules



	FG 310B 311B	FG 620B	FG 1240B	FG 3016B	FG 3600A	FG 3810A	FG 5001A-SW	FG 5001A-DW
RTM-XB2 Module RTM-XD2 Module							FG 5050 & FG 5140 Chassis	

FMC Modules (3950B)	Interface	ASIC
FMC-XD2 Module	2x 10-Gig SFP+ ports	1x NP4
FMC-XG2 Module	2x 10-Gig SFP+ ports	1x SP2
FMC-C20 Module	20x 10/100/100 Copper ports	1x NP4
FMC-F20 Module	20 1-Gig SFP slots	1x NP4
FMC-XH0 Module	NIL	1x SP3

FSM Modules	Supported Models
FSM-064	FG-3951B , FG-1240B and 1240B-DC, FG-311B, FG-200B and FG-200B-POE



FortiOS 5.4

FortiOS Software Evolution



	2005	2007	2009/Q1	2009/Q3	2010/Q1	2011/Q3
New Key functionalities	V 2.8	V 3.0	V 4.0	V4.1	V 4.2	V 4.3
	<ul style="list-style-type: none"> • Antispam 	<ul style="list-style-type: none"> • SSL VPN • IM/P2P mgmt 	<ul style="list-style-type: none"> • DLP • WAN Opt. • SSL Proxy • App Control 	<ul style="list-style-type: none"> • Wireless ctrl • IPv6 UTM • SQL Logging 	<ul style="list-style-type: none"> • New GUI • Network VM 	<ul style="list-style-type: none"> • Token Server • ICAP
	<div style="background-color: #808080; color: white; padding: 5px; display: inline-block; border-radius: 15px 15px 0 0;"> 2012/Q4 2014/Q2 </div>					
New Key functionalities	V 5.0	V 5.2	V 5.4			
	<ul style="list-style-type: none"> • Client reputation • Sandbox integration • Endpoint control • Device based policy 	<ul style="list-style-type: none"> • FortiView • Deep Flow AV • Software performance optimization 	<ul style="list-style-type: none"> • ATP Integration • SDN support 			

FortiOS 5.4 Security Subscriptions



	Enterprise bundle						
	UTM Bundle					Mobile Security	Cloud Sandbox
	Antivirus	NGFW (IPS/App Control)	Web Filtering	Anti-spam	FortiCare		
Antivirus	AV Signature Update					Extended AV Signature DB for mobile platforms	
IPS		IPS Signature Update					
Application Control		App. Control Signature Update					
Web Filtering			URL Rating				
Anti-spam				Spam Rating			
Anti-Bot					Anti-Bot IP/domain DB		
Routing / Logging					Internet Services IP+ service DB		
SSL Inspection Exemption					Trusted websites DB		
File Analysis							Cloud based Service



FortiAP

FortiAP Family Positioning




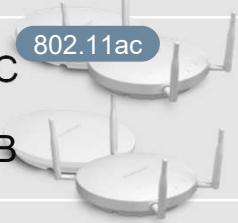




	FortiWiFi	FortiAP	FortiAP-S Series
Management	FortiManager	FortiGate	FortiCloud
APs per site	One	Many	Few
Security	IPS, AV, App, URL	IPS, AV, App, URL	IPS, AV, App*, URL
VPN	Yes	No	No
WIDS / Rogue AP	Yes	Yes	Yes
Automatic Channel Selection	Yes	Yes	Yes
Fast Roaming (OKC)	No	Yes	Yes*
Wireless Mesh	Yes (Root)	Yes	Yes*
FortiPresence	Yes	Yes	Yes*

*Check datasheet for availability

FortiAP Family



3x3:3 Resiliency and Versatility	Dual Radio Dual Band			FAP-320C FAP-321C FAP-320B		
				FAP-222C FAP-224D FAP-222B		
2x2:2 Performance	Single Radio	FAP-28C FAP-25D FAP-21D			FAP-221/223C FAP-221/223B	
		FAP-14C FAP-11C		FAP-112D FAP-112B		FAP-24D FAP-210B
1x1:1 Value						
		Remote	Outdoor	Indoor		

FortiAP 11C



① 2 x GE RJ45 Interface



Target Environment	Portable AP for traveller
Number of Antenna	1 internal
Rx / Tx	1x1
Radio 1	2.4 GHz b/g/n (150 Mbps)
Radio 2	-
PoE	-

FortiAP 14C



- ① 1 x FE WAN Interface
- ② 4 x FE Switch Interface



Target Environment	Remote office or SOHO desktop
Number of Antenna	1 internal
Rx / Tx	1x1
Radio 1	2.4 GHz b/g/n (150 Mbps)
Radio 2	-
PoE	-

FortiAP 21D



① 2 x FE Interface



Target Environment	FortiPresence Sensor or Travel/SOHO (USB powered)
Number of Antenna	2 internal
Rx / Tx	2x2
Radio 1	2.4 GHz b/g/n (300 Mbps)
Radio 2	-
PoE	-

FortiAP 25C

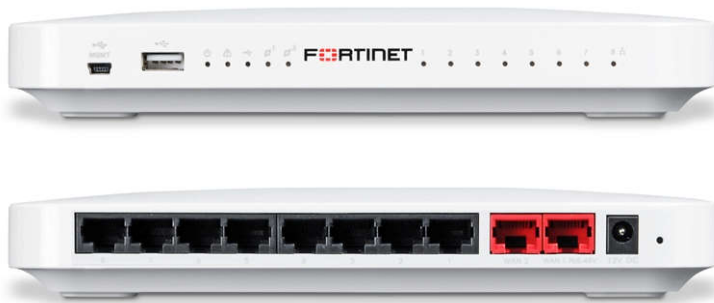


- ① 1 x GE RJ45 WAN Interface
- ② 4 x FE RJ45 Switch Interface



Target Environment	Hotels/Hospitality desktop
Number of Antenna	2 internal
Rx / Tx	2x2
Radio 1	2.4/5GHz a/b/g/n (300 mbps)
Radio 2	-
PoE	-

FortiAP 28C



- ① 2 x GE RJ45 WAN Interface
- ② 8 x GE RJ45 Switch Interface



Target Environment	Remote office or SOHO desktop
Number of Antenna	2 internal
Rx / Tx	2x2
Radio 1	2.4/5GHz a/b/g/n (300 mbps)
Radio 2	-
PoE	-

FortiAP 112B/112D



① 2 x FE Interface



① 2 x FE Interface with PoE pass-through. (1x PoE-PD, 1x PoE-PS)

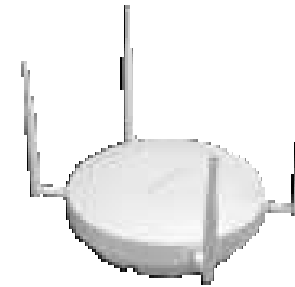


	FAP-112B	FAP-112D
Target Environment	Low density indoor/outdoor	Low density outdoor, POE pass-through for IP CCTV cameras.
Number of Antenna	1 internal	1 internal
Rx / Tx	1x1	1x1
Radio 1	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	-	-
PoE	802.3af	802.3af

FortiAP 221/223B



① 1 x GE RJ45 Interface



① 1 x GE RJ45 Interface

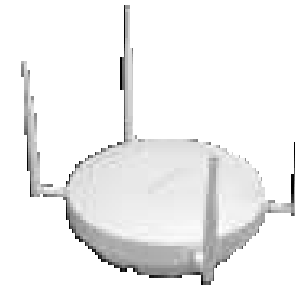


	FAP-221B	FAP-223B
Target Environment	Medium density indoor	Medium density indoor
Number of Antenna	4 internal	4 External
Rx / Tx	2x2	2x2
Radio 1	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	2.4/5GHz a/b/g/n (300 Mbps)	2.4/5GHz a/b/g/n (300 Mbps)
PoE	802.3af	802.3af

FortiAP 221/223C



① 1 x GE RJ45 Interface

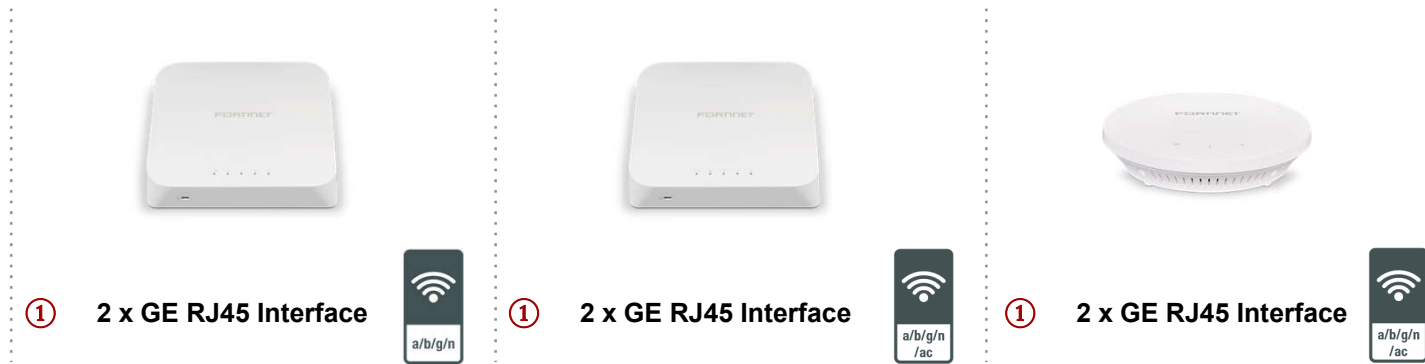


① 1 x GE RJ45 Interface



	FAP-221C	FAP-223C
Target Environment	Medium density indoor	Medium density indoor
Number of Antenna	4 internal	4 External
Rx / Tx	2x2	2x2
Radio 1	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	2.4/5GHz a/b/g/n/ac (867 Mbps)	2.4/5GHz a/b/g/n/ac (867 Mbps)
PoE	802.3af	802.3af

FortiAP 320B/320C/321C



	FAP-320B	FAP-320C	FAP-321C
Target Environment	Indoor high performance AP	High density, streaming app, resilience	Medium density without resilience
Number of Antenna	6 internal	6 internal	6 internal
Rx / Tx	3x3	3x3	3x3
Radio 1	2.4 GHz b/g/n (450 Mbps)	2.4 GHz b/g/n (450 Mbps)	2.4 GHz b/g/n (450 Mbps)
Radio 2	2.4/5GHz a/b/g/n (450 Mbps)	5GHz a/n/ac (1300 Mbps)	5GHz a/n/ac (1300 Mbps)
PoE	802.3af	802.3af	802.3af

FortiAP 224D/222B/222C



① 1 x GE RJ45 Interface



① 1 x GE RJ45 Interface



① 1 x GE RJ45 Interface



	FAP-224D	FAP-222B	FAP-222C
Target Environment	Medium density outdoor, IP66 rated	Medium density outdoor, IP67 rated	High density Outdoor, IP67 rated
Number of Antenna	4 External (RP-SMA)	4 External (N-Type)	4 External (N-Type)
Rx / Tx	2x2	2x2	2x2
Radio 1	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	5GHz a/n (300 Mbps)	5GHz a/n (300 Mbps)	5GHz a/n/ac (867 Mbps)
PoE	802.3af	802.3at	802.3at

FortiAP-Antennas



FAN-612N/R

Specification	
Compatible AP	FAP-222B
Type	Point to point antenna for 5Ghz bridging with N/R connectors.
Accessories	Mount Kit sold separately FAN-M22.



FAN-500N

Specification	
Compatible AP	FAP-222B
Type	Directional 120 degree outdoor panel antenna
Accessories	Includes two 120cm Cables with N connector. Mount Kit sold separately FAN-22.

Hardware Overview – FortiAP (Remote)



	FAP-11C	FAP-14C	FAP-21D	FAP-28C	FAP-25D
Use Case	Portable AP for traveller	Remote office or SOHO desktop	FortiPresence Sensor or Travel/SOHO (USB powered)	Remote office or SOHO desktop	Hotels/Hospitality desktop
Form Factor	Small, portable	Desktop	Small, portable	Desktop	Small, portable Powerstrip design
Rx / Tx	1x1	1x1	2x2	2x2	2x2
Radio 1	2.4 GHz b/g/n (150 Mbps)	2.4 GHz b/g/n (150 Mbps)	2.4 GHz b/g/n (300 Mbps)	2.4/5GHz a/b/g/n (300 mbps)	2.4/5GHz a/b/g/n (300 mbps)
Radio 2	-	-	-	-	-
PoE	NA	NA	NA	NA	NA
Antennas	1 internal	1 internal	2 internal	2 internal	2 internal
Ethernet Ports	1x GE RJ45 WAN 1x GE RJ45 LAN	1x FE WAN 4x FE LAN	2x FE RJ45	2x GE RJ45 WAN 8x GE RJ45 LAN	1x GE WAN 4x FE LAN
USB	1	-	2	2	-

Hardware Overview – FortiAP (Indoor)



	FAP-24D	FAP-221B/223B*	FAP-221C/223C*	FAP-320B	FAP-320C	FAP-321C
Use Case	Low density indoor	Medium density indoor	Medium density indoor	Indoor high performance AP	high density 802.11ac, streaming app resilience	Medium density 802.11ac without resilience
Form Factor	Desktop	Smoke Detector, wall or ceiling mount	Smoke Detector, wall or ceiling mount	Wall or ceiling mount	Wall or ceiling mount	Smoke Detector, wall or ceiling mount
Rx / Tx	2x2	2x2	2x2	3x3	3x3	3x3
Radio 1	2.4/5GHz a/b/g/n (300 mbps)	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (450 Mbps)	2.4 GHz b/g/n (450 Mbps)	2.4 GHz b/g/n (450 Mbps)
Radio 2	-	2.4/5GHz a/b/g/n (300 Mbps)	2.4/5GHz a/b/g/n/ac (867 Mbps)	2.4/5GHz a/b/g/n (450 Mbps)	5GHz a/n/ac (1300 Mbps)	5GHz a/n/ac (1300 Mbps)
PoE	802.3af	802.3af	802.3af	802.3af	802.3af	802.3af
Antennas	2 internal	4 internal / 4 external*	4 internal / 4 external*	6 internal	6 internal	6 internal
Ethernet Interfaces	1x GE WAN 4x FE LAN	1 x GE RJ45	1 x GE RJ45	2 x GE RJ45	2 x GE RJ45	1 x GE RJ45
USB	1	-	-	-	1	-


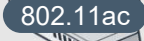
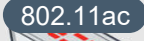
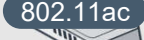
Hardware Overview – FortiAP (Outdoor)



	FAP-112B	FAP-112D	FAP-224D	FAP-222B	FAP-222C
Use Case	Low density outdoor	Low density outdoor, POE pass-through for IP CCTV cameras.	Medium density outdoor	Medium density outdoor	High density 802.11ac outdoor
Form Factor	Outdoor IP55 rated, wall or pole mount	Outdoor IP55 rated, wall or pole mount	Outdoor IP66 rated, wall or pole mount	Outdoor IP67 rated, wall or pole mount	Outdoor IP67 rated, wall or pole mount
Rx / Tx	1x1	1x1	2x2	2x2	2x2
Radio 1	2.4 GHz b/g/n (150 Mbps)	2.4/5GHz a/b/g/n (150 Mbps)	2.4 GHz b/g/n (300 Mbps)	2.4 GHz b/g/n (300Mbps)	2.4 GHz b/g/n (300 Mbps)
Radio 2	-	-	5GHz a/n (300 Mbps)	5GHz a/n (300 Mbps)	5GHz a/n/ac (867 Mbps)
PoE	802.3af	802.3af	802.3af	802.3at	802.3at
Antennas	1 internal	1 internal	4 external (RP-SMA)	4 external (N-Type)	4 external (N-Type)
Ethernet Interfaces	2x FE RJ45	2x FE RJ45	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45
USB	-	-	-	-	-

FortiAP S-Series Family Overview



			Personal	Outdoor	Indoor
4x4:4	Dual Radio	Resiliency			
3x3:3	Single Radio	Resiliency			 FAP-S323C  FAP-S321C
					 FAP-S313C  FAP-S311C
2x2:2					

FortiAP S311/S313C



① 1 x GE RJ45 Interface



① 1 x GE RJ45 Interface



	FAP-S311C	FAP-S313C
Target Environment	Medium density indoor with Security	Medium density indoor with Security
Number of Antenna	3 Internal	3 External
Rx / Tx	3x3	3x3
Radio 1	2.4/5GHz b/g/n (450 Mbps) or a/n/ac dual-band (1300 Mbps)	2.4/5GHz b/g/n (450 Mbps) or a/n/ac dual-band (1300 Mbps)
Radio 2	-	-
PoE	802.3af	802.3af

FortiAP S321C/S323C



① 1 x GE RJ45 Interface



① 1 x GE RJ45 Interface



	FAP-S311C	FAP-S313C
Target Environment	Medium density indoor with Security	Medium density indoor with Security
Number of Antenna	6 Internal	6 External
Rx / Tx	3x3	3x3
Radio 1	5GHz a/n/ac concurrent (1300 Mbps)	5GHz a/n/ac concurrent (1300 Mbps)
Radio 2	2.4 GHz b/g/n (450 Mbps)	2.4 GHz b/g/n (450 Mbps)
PoE	802.3af	802.3af

Hardware Overview – FortiAP S-Series



	FAP-S311/313C	FAP-S321/323C
Form Factor	Smoke Detector Form Factor	Smoke Detector Form Factor
Rx / Tx	3x3	3x3
Radio 1	2.4/5GHz b/g/n (450 Mbps) or a/n/ac dual-band (1300 Mbps)	5GHz a/n/ac concurrent (1300 Mbps)
Radio 2	-	2.4 GHz b/g/n (450 Mbps)
PoE	802.3af	802.3af
Antennas	311C: 3 internal 313C: 3 external	311C: 6 internal 313C: 3 external
Ethernet Interfaces	1 x GE RJ45	1 x GE RJ45
USB	Yes	Yes
Management	FortiCloud	FortiCloud

FortiAP Power Adaptors



	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support
FAP-11C	AC	Yes - Integrated power supply	N/A	No
FAP-14C	AC	Yes	SP-FAP14C-PA-XX	No
FAP-21D	AC	Yes - USB powered	N/A	No
FAP-24D	PoE 802.3af	No	SP-FG20C-PA-XX	Yes
FAP-25D	AC	Yes - Integrated power supply	N/A	No
FAP-28C	AC	Yes	SP-FG20C-PA-XX	No
FAP-112B	PoE Proprietary	Yes	SP-FAP112B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	No
FAP-112D	PoE Proprietary	Yes	SP-FAP222B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	No
FAP-210B	PoE 802.3af	Yes	SP-FAP220B-PA-XX	Yes
FAP-220B	PoE 802.3af	Yes	SP-FAP220B-PA-XX	Yes

FortiAP Power Adaptors



	Power Supply Type	Power supply shipped with unit	(Spare) Power supply order SKU	GPI-115 Support
FAP-221B/223B	PoE 802.3af	No	SP-FAP221B-PA + SP-ADAPTORPLUG-01-XX	Yes
FAP-221C/223C	PoE 802.3af	No	SP-FG20C-PA-XX	Yes
FAP-222B/222C	PoE 802.3at/POE Proprietary	Yes	SP-FAP222B-PA (includes PoE injector) + SP-ADAPTORPLUG-01-XX	No
FAP-224D	PoE 802.3af	Yes	SP-FAP221B-PA + SP-ADAPTORPLUG-01-XX	Yes
FAP-320B	PoE 802.3af	No	SP-FG20C-PA-XX	Yes
FAP-320C	PoE 802.3af	No	SP-FG20C-PA-XX	Yes
FAP-321C	PoE 802.3af	No	SP-FG20C-PA-XX	Yes
FAP-S311C/313C	PoE 802.3at	No	SP-FG20C-PA-XX	Yes
FAP-S321C/323C	PoE 802.3at	No	SP-FG20C-PA-XX	Yes




FortiSwitch


Introducing FortiSwitch




Access level Gigabit Switches with ease of use and low cost of ownership

 **FSW-1xxD Series**



 **FSW-2xxD Series**



 **FSW-4xxD Series**



 **FSW-5xxD Series**



- **Outstanding price, performance, and scalability to organizations with diverse operational needs.**

Primary Benefits:

- ✓ High Port Density
- ✓ Integrated Power Over Ethernet
- ✓ Connect Access Points, Peripherals, Cameras, Phones
- ✓ Create an integrated, secure network

FortiSwitch Family



Data Center	40G			FSW-3032D	
	10G		FSW-1024D		40G ↗ FSW-1048D
Secure Access	1G	 POE FSW-108D-POE FSW-28C	 FL Stacking FSW-524D-FPOE FL Stacking FSW-524D		 FL Stacking FSW-548D-FPOE FL Stacking FSW-548D
			 POE+ FSW-424D-FPOE POE FSW-424D-POE FSW-424D		 POE+ FSW-448D-FPOE POE FSW-448D-POE FSW-448D
			 POE+ FSW-224D-FPOE POE FSW-224D-POE		 POE+ FSW-248D-FPOE POE FSW-248D-POE
Access		 POE FSW-80-POE			
		8 ports	24 ports	32 ports	48 ports

FortiSwitch 28C

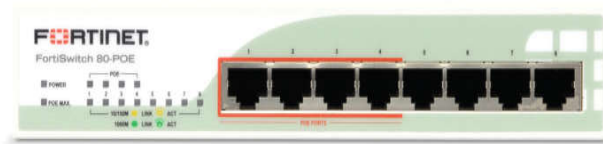


- ① 2x GE RJ45 WAN Ports
- ② 8x GE RJ45 Switch Ports



Switch Capacity	16 Gbps
MAC Address Storage	2,000
Network Latency (64bytes)	<1 μ s
VLANs Supported	4096
Total Link Aggregation Group	up to 2 ports
PoE Power Budget	-

FortiSwitch 80-POE

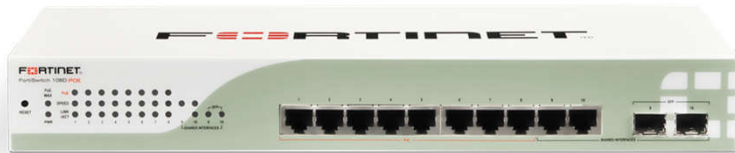


- ① 4x GE RJ45 Ports
- ② 4x GE PoE Ports

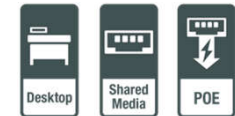


Switch Capacity	16 Gbps
MAC Address Storage	2,000
Network Latency (64bytes)	<1 μ s
VLANs Supported	N/A
Total Link Aggregation Group	-
PoE Power Budget	62 W

FortiSwitch 108D-POE



- ① 8x PoE GE RJ45
- ② 2x pairs Shared GE ports



Switch Capacity	20 Gbps
MAC Address Storage	16,000
Network Latency (64bytes)	<1 μ s
VLANs Supported	4096
Total Link Aggregation Group	up to 8 ports
PoE Power Budget	75W

FortiSwitch 124D Series



- ① 24x GE RJ45 Ports
- ② 2x GE SFP Slots



- ① 12x GE RJ45 Ports
- ② 12x GE RJ45 PoE Ports
- ③ 2x GE SFP Slots



	FS-124D	FS-124D-POE
Switch Capacity	52 Gbps	52 Gbps
MAC Address Storage	8,000	16,000
Network Latency (64bytes)	<1 μs	<1 μs
VLANs Supported	4K	4K
Total Link Aggregation Group	12	12
PoE Power Budget	-	100 W

FortiSwitch 224D Series



- ① 8x GE RJ45 Ports
- ② 12 x GE RJ45 POE/POE+ Ports
- ③ 4x pairs shared media GE Ports



- ① 24 x GE RJ45 POE/POE+ Ports
- ② 4x GE SFP slots



	FS-224D-POE	FS-224D-FPOE
Switch Capacity	48 Gbps	56 Gbps
MAC Address Storage	16K	16K
Network Latency (64bytes)	4K	4K
VLANs Supported	up to 8 ports	up to 12 ports
Total Link Aggregation Group	180 W	370 W
PoE Power Budget	Yes	Yes

FortiSwitch 248D Series



- ① 24 x GE RJ45 Ports
- ② 24 x GE RJ45 POE Ports
- ③ 2x GE SFP slots




- ① 48 x GE RJ45 POE/POE+ Ports
- ② 4x GE SFP slots




	FS-248D-POE	FS-248D-FPOE
Switch Capacity	104 Gbps	104 Gbps
MAC Address Storage	16K	16K
Network Latency (64bytes)	4K	4K
VLANs Supported	up to 12 ports	up to 12 ports
Total Link Aggregation Group	370 W	740 W
PoE Power Budget	Yes	Yes


FortiSwitch 424D Series








① 24x GE RJ45 Ports
② 2x 10GE SFP+ slots







① 24x GE RJ45 POE/POE+ Ports
② 2x 10GE SFP slots



① 24x GE RJ45 POE/POE+ Ports
② 2x 10GE SFP slots

	FS-424D	FS-424D-POE	FS-424D-FPOE
Switch Capacity	88 Gbps	88 Gbps	88 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64bytes)	4K	4K	4K
VLANs Supported	up to 12 ports	up to 12 ports	up to 12 ports
Total Link Aggregation Group	-	185 W	370 W
PoE Power Budget	Yes	Yes	Yes

FortiSwitch 448D Series



- ① 48x GE RJ45 Ports
- ② 4x 10GE SFP+ slots



- ① 48x GE RJ45 POE/POE+ Ports
- ② 4x 10GE SFP slots

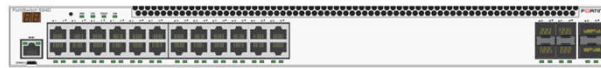


- ① 48x GE RJ45 POE/POE+ Ports
- ② 4x 10GE SFP slots



	FS-448D	FS-448D-POE	FS-448D-FPOE
Switch Capacity	176 Gbps	176 Gbps	176 Gbps
MAC Address Storage	16K	16K	16K
Network Latency (64bytes)	4K	4K	4K
VLANs Supported	up to 12 ports	up to 12 ports	up to 12 ports
Total Link Aggregation Group	-	185 W	370 W
PoE Power Budget	Yes	Yes	Yes

FortiSwitch 524D Series



- ① 24x GE RJ45 Ports
- ② 4x 10GE SFP+ slots
- ③ 2x 40GE stacking interface



- ① 24x GE RJ45 POE/POE+ Ports
- ② 4x 10GE SFP+ slots
- ③ 2x 40GE stacking interface



	FS-524D	FS-524D-FPOE
Switch Capacity	288 Gbps	288 Gbps
MAC Address Storage	96K	96K
Network Latency (64bytes)	4K	4K
VLANs Supported	up to 24 ports	up to 24 ports
Total Link Aggregation Group	-	400 W
PoE Power Budget	Yes	Yes

FortiSwitch 548D Series



- ① 48x GE RJ45 Ports
- ② 4x 10GE SFP+ slots
- ③ 2x 40GE stacking interface

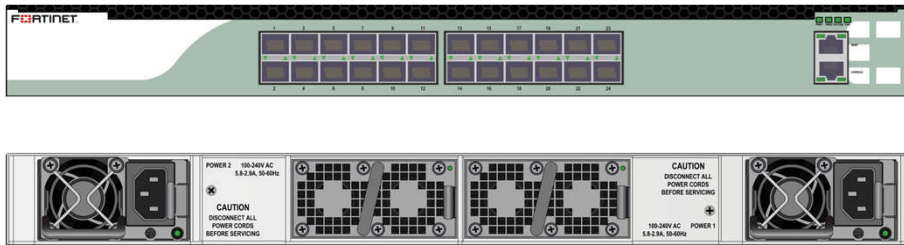


- ① 48x GE RJ45 POE/POE+ Ports
- ② 4x 10GE SFP+ slots
- ③ 2x 40GE stacking interface



	FS-548D	FS-548D-FPOE
Switch Capacity	336 Gbps	336 Gbps
MAC Address Storage	96K	96K
Network Latency (64bytes)	4K	4K
VLANs Supported	up to 24 ports	up to 24 ports
Total Link Aggregation Group	-	750 W
PoE Power Budget	Yes	Yes

FortiSwitch 1024D

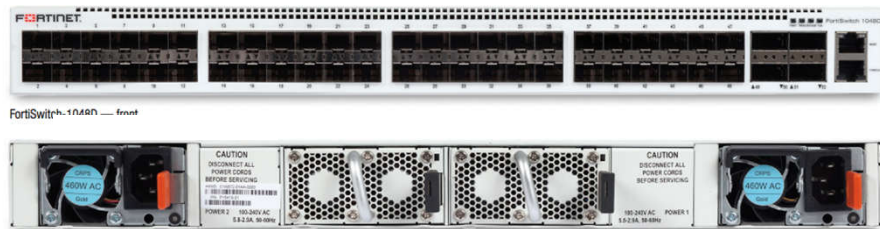


- ① 24x GE/10GE SFP/SFP+ slots
- ② 1x GE RJ45 Mgmt port

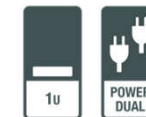


Switch Capacity	320 Gbps
MAC Address Storage	128,000
Network Latency (64bytes)	<1 μ s
VLANs Supported	4096
Total Link Aggregation Group	up to 24 ports
PoE Power Budget	-

FortiSwitch 1048D

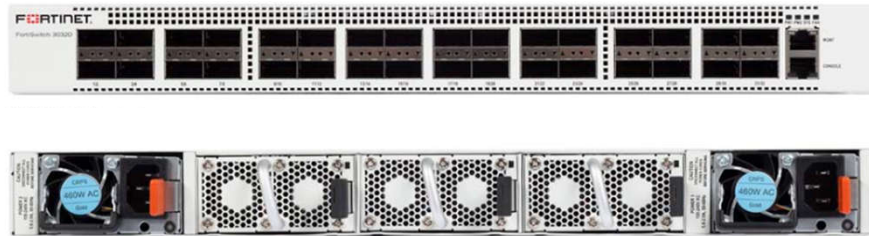


- ① 48x GE/10GE SFP/SFP+ slots
- ② 4x 40GE QSFP+ slots
- ③ 1x GE RJ45 Mgmt port



Switch Capacity	640 Gbps
MAC Address Storage	128,000
Network Latency (64bytes)	<1 μ s
VLANs Supported	4096
Total Link Aggregation Group	up to 24 ports
PoE Power Budget	-

FortiSwitch 3032D



- ① 32x 40GE QSFP+ slots
- ② 1x GE RJ45 Mgmt port



Switch Capacity	1280 Gbps
MAC Address Storage	128,000
Network Latency (64bytes)	<1 μ s
VLANs Supported	4096
Total Link Aggregation Group	up to 24 ports
PoE Power Budget	-

FortiSwitch Series – Access Switches



	FS-80-POE
Form Factor	Desktop
FE Ports	-
GE Ports	4
PoE GE Ports	4
10GE SFP+ slots	-
Shared Ports (pair)	-
Power Budget	62 W
Power Supply	Single AC
FortiOS Wired Controller Support	No

FortiSwitch Series – Secure Access Switches (I)



	FS-108D-POE	FS-28C	FS-124D	FS-124D-POE
Form Factor	Desktop	Desktop	1 RU	1 RU
FE Ports	-	-	-	-
GE Ports	-	2x WAN 8x Switch ports	24, 2 x SFP	12, 2 x SFP
PoE GE Ports	8	-	-	12
PoE/+ GE Ports*	-	-	-	-
10GE SFP+ slots	-	-	-	-
Shared Ports (pair)	2	-	-	-
Power Budget	75 W	-	-	100 W
Power Supply	Single AC	Single AC	Single AC	Single AC, FRPS-740
FortiOS Wired Controller Support	Yes	Yes, Remote switch	Yes	Yes

FortiSwitch Series – Secure Access Switches (II)



	FS-224D-POE	FS-224D-FPOE	FS-248D-POE	FS-424D-FPOE
Form Factor	1 RU	1 RU	1 RU	1 RU
FE Ports	-	-	-	-
GE Ports	8	4 SFP	24 2 SFP	-
PoE GE Ports	12	-	24	-
PoE/+ GE Ports*	-	24	-	24
10GE SFP+ slots	-	-	-	2
Shared Ports (pair)	4	-	-	-
Power Budget	180 W	370 W	370 W	370 W
Power Supply	Single AC	Single AC, FRPS-740	Single	Single AC, FRPS-740
FortiOS Wired Controller Support	Yes	Yes	Yes	Yes
FortiLink Stacking Option	-	-	-	-

FortiSwitch Series – Secure Access Switches (III)



	FS-424D	FS-424D-POE	FS-424D-FPOE	FS-448D	FS-448D-POE	FS-448D-FPOE
Form Factor	1 RU	1 RU	1 RU	1 RU	1 RU	1 RU
FE Ports	-	-	-	-	-	-
GE Ports	24	-	-	48	-	-
PoE GE Ports	-	-	-	-	-	-
PoE/+ GE Ports*	-	24	24	-	48	48
10GE SFP+ slots	2	2	2	4	4	
Shared Ports (pair)	-	-	-	-	-	-
Power Budget	-	185 W	370 W	-	370 W	740 W
Power Supply	Dual AC	Single AC, FRPS-740	Single AC, FRPS-740	Dual AC	Single AC, FRPS-740	Dual AC
FortiOS Wired Controller Support	Yes	Yes	Yes	Yes	Yes	Yes
FortiLink Stacking Option	-	-	-	-	-	-

FortiSwitch Series – Secure Access Switches (IV)



	FS-524D	FS-524D-FPOE	FS-548D	FS-548D-FPOE
Form Factor	1 RU	1 RU	1 RU	1 RU
FE Ports	-	-	-	-
GE Ports	24	-	48	-
PoE GE Ports	-	-	-	-
PoE/+ GE Ports*	-	24	-	48
10GE SFP+ slots	4	4	4	4
40GE QSFP+ slots	2	2	2	2
Power Budget	-	500 W	-	750 W
Power Supply	Single AC	Single AC	Single AC	Single AC
FortiOS Wired Controller Support	Yes	Yes	Yes	Yes
FortiLink Stacking Option**	Yes	Yes	Yes	Yes

FortiSwitch Series – Data Center Switches



	FSW-1024D	FSW-1048D	FSW-3032D
Form Factor	1RU	1RU	1RU
FE Ports	-	-	-
GE Ports	1x mgmt	1x mgmt	1x mgmt
PoE GE Ports	-	-	-
10GE Ports	24 (1G/10G)	48 (1G/10G)	-
40GE Ports	-	4	32
Shared Ports (pair)	-	-	-
Power Budget	-	-	-
FortiGate Managed	Yes	Yes	Yes



FortiClient

Introducing FortiClient



Comprehensive end-point protection & security enforcement

Multifunctional Host Security

- Flexibility in deployment
- Fully integrated features, reduce needs for multiple client solutions

End Point Control

- Enforce compliance and security policies on mobile hosts

Centralized Logging and Reporting

- Via FortiGate for enterprise requirements



FortiClient V5.4



	Windows	Mac OSX	iOS	Android
IPSec VPN	✓	✓	-	✓
SSL VPN	✓	✓	Web Mode Only	✓
2FA	✓	✓	✓	✓
Anti-Virus	✓	✓	-	-
Web Filtering	✓	✓	✓	✓
WAN Optimization	✓	-	-	-
Registered for Central Management				
Config Provisioning	✓	✓	✓	✓
Logging (to FMGR/FAZ)	✓	✓	-	-
Windows AD SSO Agent	✓	✓	-	-
Application Firewall	✓	✓	-	-
Vulnerability Scanning & Reporting	✓	✓	-	-
Custom Install	✓	✓	-	-



384629

FortiToken

Introducing FortiToken



384629

Oath Compliant Time Based Hardware One Time Password Token

Supports Strong Authentication

- IPSEC VPN
- SSL VPN
- Administrative Login
- Captive Web Portal
- 802.1x Authentication
- Web Application Access
- SSO

Authentication Platforms

- FortiGate (FOS4.3 and later)
- FortiAuthenticator (FAC 1.4 and later)

Secure Seed Delivery Options

- Online Via FortiGuard
 - Encrypted file on CD (FTK-200S)
 - In-house Seed Provisioning Tool (special order)
-



Introducing FortiToken Mobile

384629

Oath Compliant Time Based One Time Password Soft Token

Highly Secure

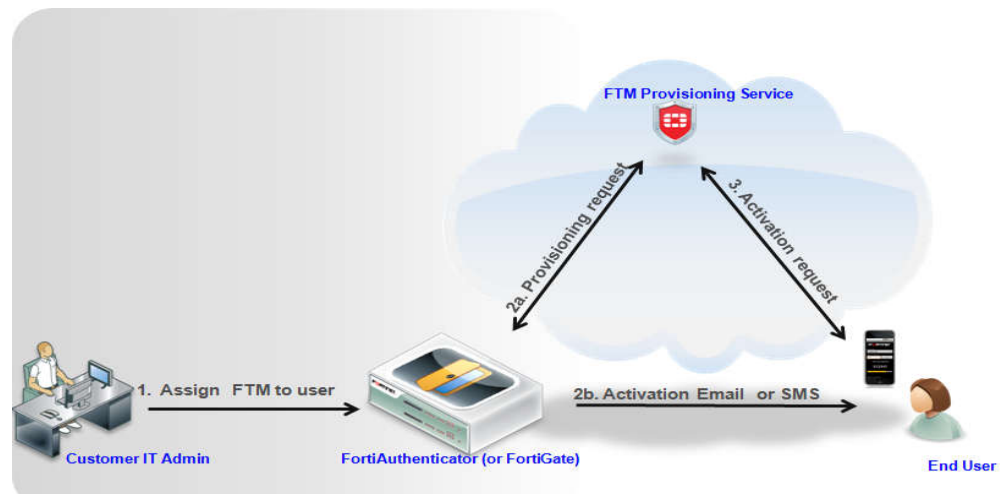
- Pin Protected App
- Device Binding
- Brute Force Protection
- Dynamic Seed Generation
- Encrypted Seed Storage

Authentication Platforms

- FortiGate (FOS5.0 Beta 5 and later)
- FortiAuthenticator (FAC 1.4 and later)

Broad Device Support

- iOS (iPhone, iPad, iPod Touch)
- Android
- BlackBerry (TBD)





FortiAnalyzer

Introducing FortiAnalyzer



Logging, reporting and analysis from multiple Fortinet devices

Aggregated Logging

- Singular View of all Fortinet Devices
- Built-in Content Archiving
- Malicious File Quarantine

Centralized Reporting

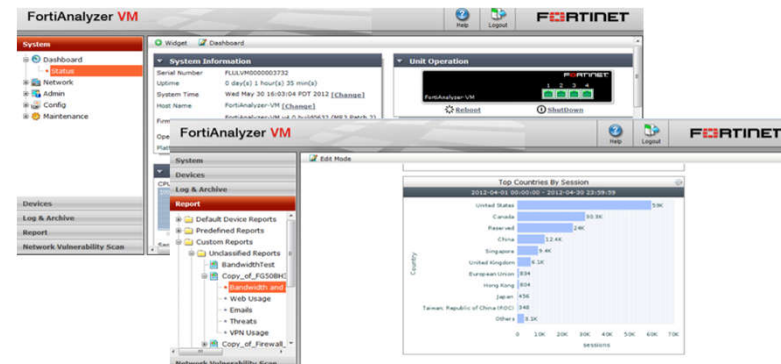
- Predefined Summary & Device Reports
- Hundreds of Customizable Charts & Graphs

Analysis & Event Correlation

- Vulnerability Assessment
- Network & Log Analysis

Scalable Solution

- Hardware and VM Versions Available
- Collector/Analyzer Modes for Large Deployments
- High Performance Logs/Sec Processing
- Support for Internal or External SQL Databases



FortiAnalyzer Series



	FAZ-200D	FAZ-300D	FAZ-1000D	FAZ-2000B	FAZ-3000E	FAZ-3500E	FAZ-3900E
GB/Day	5	15	250	210	800	3,000	4,000
Sustained Log Rate	120	200	3,000	2,500	15,000	36,000	48,000
Peak Log Rate	350	625	5,500	5,000	50,000	60,000	75,000
Max. Devices/ADOMs	150	175	2,000	2,000	4,000	4,000	4,000
Total Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45, 2x SFP	6x GE RJ45	4x GE RJ45, 2x GE SFP	2x GE RJ45, 2x GE SFP	2x GE RJ45, 2x GE SFP+
Storage capacity	1x 1 TB	2x 2 TB	4x 2TB	2x 2TB (12 TB Max)	8x 2TB (16 TB Max)	6x 1TB (24 TB Max)	15x 1TB
RAID support	No	Yes (mirrored)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 10, 50)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)	Yes, (RAID 0, 1, 5, 6, 10, 50, 60)

FortiAnalyzer-VM Series



	FAZ-VM-BASE	FAZ-VM-GB1	FAZ-VM-GB5	FAZ-VM-GB25	FAZ-VM-GB100	FAZ-VM-GB500	FAZ-VM-GB2000
GB/Day	1	+1	+5	+25	+100	+500	+2,000
Max. Devices/ADOMs	10,000	10,000	10,000	10,000	10,000	10,000	10,000
Storage Capacity	200 GB	+500 GB	+3 TB	+10 TB	+24 TB	+48 TB	+100 TB
RAID Support	-	-	-	-	-	-	-



FortiManager

Introducing FortiManager



Tools that effectively manage any size Fortinet security infrastructure, from a few to thousands of appliances

Administrative Domains (ADOMs)

- Enables the primary 'admin' to create Virtual Management Domains containing devices for other administrators to monitor and manage

Hierarchical Objects & Policy Management

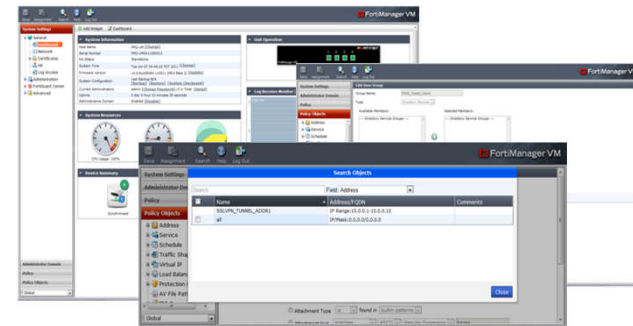
- Create Global Objects and Policies
- Assign to ADOM or groups of ADOMS
- Create device configuration templates to quickly configure a new Fortinet appliance

Web Portal SDK

- JSON-based API allows MSSPs to offer administrative web portals to customers

Locally Hosted Security Content

- Allows administrators better control over security content updates and provides improved response time for rating databases.
- Run a local copy of AV, IPS, URL, A/S signature databases.*



* Capabilities varied by Models

FortiManager Series



	FMG-200D	FMG-300D	FMG-1000D	FMG-3900E	FMG-4000E
Max. Devices	30	300	1,000	10,000	4,000
Max. ADOMs	30	300	1,000	10,000	4,000
Max. Web Portals	-	-	1,000	10,000	4,000
Max. Portal Users	-	-	1,000	10,000	4,000
Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45, 2x SFP	2x GE, 2x GE SFP+	4x GE RJ45, 2x SFP
Storage capacity	1x 1TB	2x 2TB	4x 2TB	15x 1TB	8x 2TB
GB Logs/Day	2	2	2	10	10
Locally Hosted Security Content	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS	AV, IPS, VM, WF, AS

FortiManager-VM Series



Max. Devices	10	+10	+100	+1,000	+5,000	Unlimited
Max. ADOMs (default/Max)	10	+10	+100	+1,000	+5,000	Unlimited
Max. Web Portals	10	+10	+100	+1,000	+5,000	Unlimited
Max. Portal Users	10	+10	+100	+1,000	+5,000	Unlimited
GB Logs/day	1	2	5	10	25	50
Max. Virtual NICs (Min/Max)	1 / 4					
Storage capacity (Min/Max)	80 GB / 16 TB					



FortiMoM

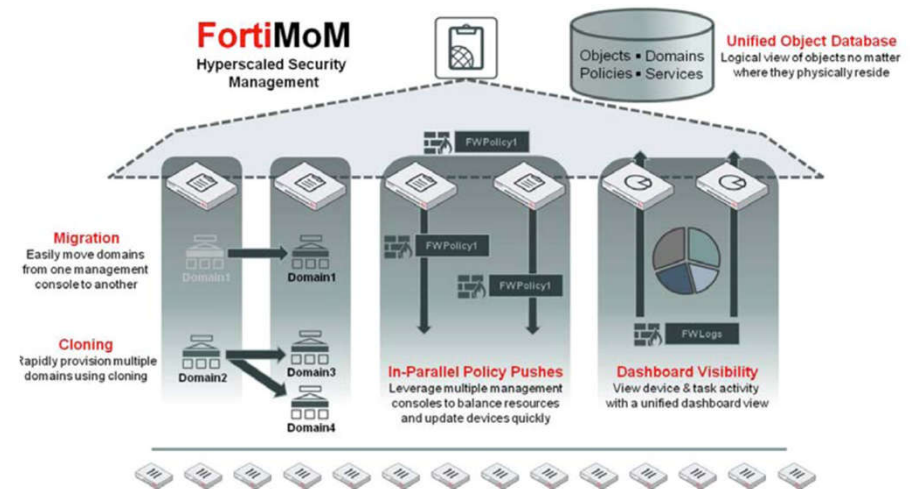
Introducing FortiMoM



Manager of managers of Fortinet products to provide a hyperscaled solution.

Manager of Managers

- Ability to control multiple FortiManagers/FortiAnalyzers for mass scale security operations
- Instant top level oversight into problematic devices or current operations in progress
- Holistic, logical view of objects (devices, policy packages, ADOMs, etc.) as they reside on varying FortiManagers/FortiAnalyzers
- Increased performance of policy push, firmware refresh and content security update operations
- Enables migration of devices/VDOMs/ADOMs to other management consoles for improved performance or logical groupings
- Instantly create (consistently named) domains which can eventually be balanced across management devices





FortiMonitor

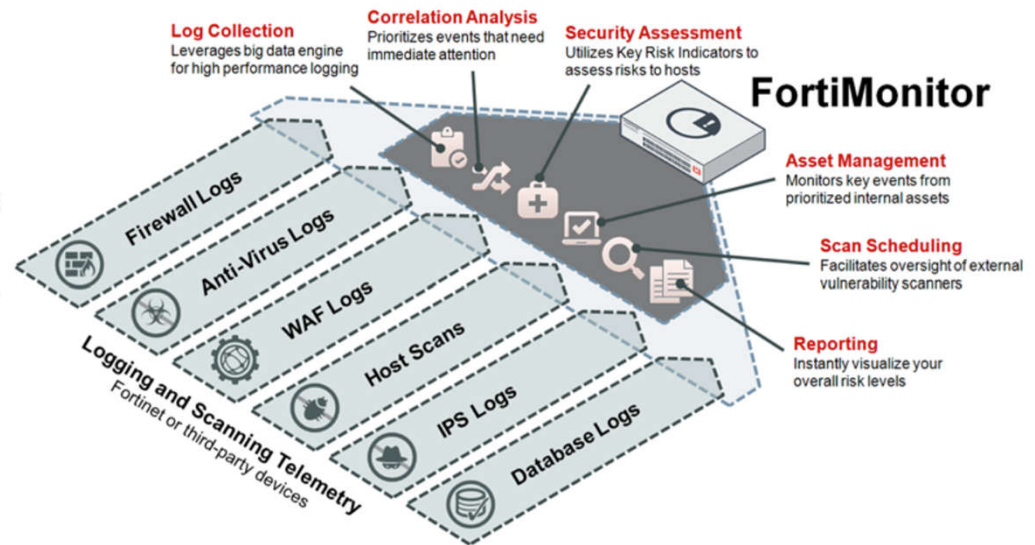
Introducing FortiMonitor



Unified event correlation and risk management for modern networks

Unified Risk Management Solution

- Log collection with enterprise performance
- Correlation automatically determines priority threats
- Assess your network's Key Risk Indicators
- Manage host assets critical to your network
- Schedule regular vulnerability scans
- Visualize your holistic security with dashboards and reports



FortiMonitor



	FMR-3000D
Hardware Form Factor	3 RU
Total Interfaces	12x GE SFP+
Storage Capacity	48 TB (12 blades, 2x 2 TB each)
Removable Blades	12
Redundant Hot Swap Power Supplies	Yes



FortiSandbox

Introducing FortiSandbox



Advanced Threat Protection solution designed to identify and thwart the highly targeted and tailored attacks

Advanced Threat Protection

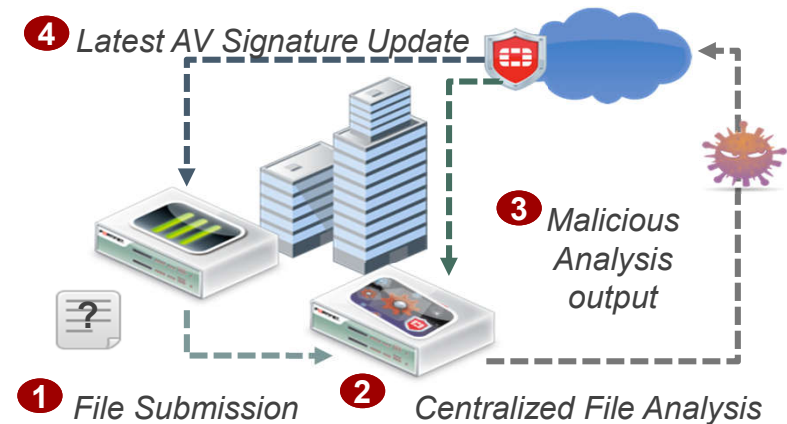
- Multi-layered filtering with Code Emulator, AV engine, Cloud query and Virtual OS sandbox
- Handles multiple file types, includes files that are encrypted or obfuscated
- Examine files from various protocols, included those that uses SSL encryption

Flexible Operation Modes

- Receives file sample using integration with FortiGate/FortiMail, sniffer mode and manual file uploads
- Capture files from remote locations using deployed FortiGates

Monitoring and Reporting

- Detailed analysis reports and real-time monitoring and alerting



FortiSandbox Series



FortiSandbox	FSA-1000D	FSA-3000D	FSA-VM
VM Sandboxing (Files/Hour)	160	560	Hardware Dependent
AV Scanning (Files/Hour)	6,000	15,000	Hardware Dependent
Number of VMs (WinXP, 32-bit)	6	22	Total: 2 to 54
Number of VMs (Win7, 64-bit)	2	6	
Interfaces	6x GE RJ45 ports, 2x GE SFP slots	4x GE RJ45 ports, 2x GE SFP, 2x 10GE SFP+ slots	Hardware Dependent

FortiSandbox Series



	FSA-1000D	FSA-3000D	FSA-VM	FSA-CLOUD
VM Sandboxing (Files/Hour)	160	560	Hardware Dependent	Unrestricted
AV Scanning (Files/Hour)	6,000	15,000	Hardware Dependent	Unrestricted
Number of VMs	8	28	4 to 54	Not applicable
Interfaces	6x GE RJ45 ports, 2x GE SFP slots	4x GE RJ45 ports, 2x GE SFP, 2x 10GE SFP+ slots	Hardware Dependent	Not applicable
Scan Engines	Similar scan engines across all platforms (release dates may vary)			
Input methods	FortiGate, FortiMail Integration, Sniffer mode, manual on-demand file upload, submission API, network file share inspection			FortiGate Integration
Status & Analysis Visibility	Full (rating, source, destination, MD5/SHA, observed behaviors, full logs, pcap, etc) on-box, statistics overview on FGT only			Limited on FortiCloud Portal, Partial details on FGT(*V5.2.3+)
Info submission to FortiGuard Labs	None or all information related to analysis of "low/medium/high risk" objects, based on customer configuration			All info if rated with risk levels
File Quarantine	On-box file quarantine for network file share scanning. FortiMail submits and queues mails for suspicious content			NIL
Protection	Manual policy configuration, FortiGuard AV signature update, requires FortiGuard premium service for SLA			Source Quarantine on FGT (*V5.2.3+)



FortiAuthenticator

Introducing FortiAuthenticator



Identity Management, User Access Control and multi-factor identification

Authentication and Authorization

- RADIUS, LDAP, 802.1X

Two Factor Authentication

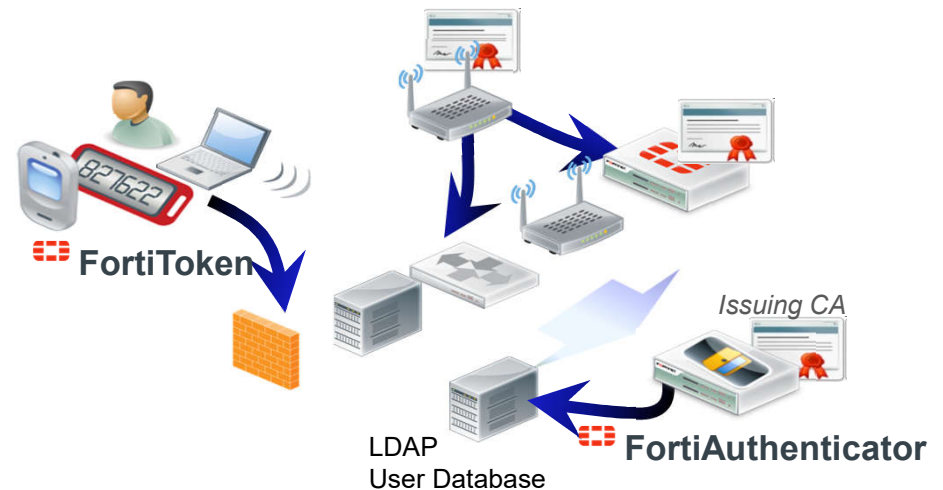
- FortiToken
- Tokenless, via SMS and email

Certificate Management

- X.509 Certificate Signing, Certificate Revocation
- Remote Device / Unattended Authentication

Fortinet Single Sign on

- Active Directory Polling
- RADIUS Integration



FortiAuthenticator Series



	FAC-200D	FAC-400C	FAC-1000D	FAC-3000D
Max. Local Users	500	2,000	10,000	40,000
Max. Remote Users	500	2,000	10,000	40,000
Max. FortiTokens	500	2,000	10,000	40,000
Max. NAS Devices	50	200	1,000	4,000
Max. User Groups	25	50	2,000	4,000
Max. CA Certificates	10	10	50	50
Max. User Certificates	2,500	10,000	50,000	200,000
Interfaces	4x GE RJ45 Gbps	4x GE RJ45 Gbps, 2x GE SPF	4x GE RJ45 Gbps	4x GE RJ45 Gbps
Storage Capacity	1 x 1 TB	1 x 1 TB	2 x 2 TB	2 x 2 TB

FortiAuthenticator-VM Series



	FAC-VM Base	FAC-VM-100-UG	FAC-VM-1000-UG	FAC-VM-10000-UG	FAC-VM-100000-UG
Max. Local Users	100	+100	+1,000	+10,000	+100,000
Max. Remote Users	100	+100	+1,000	+10,000	+100,000
Max. FortiTokens	200	+200	+2,000	+20,000	+200,000
Max. NAS Devices	10	+10	+100	+1,000	+10,000
Max. User Groups	10	+10	+100	+1,000	10,000
Max. CA Certificates	5	+5	+50	+500	+500
Max. User Certificates	100	+100	+1,000	+10,000	+100,000
Interfaces (Min/Max)	1 / 4				
Storage Capacity (Min Max)	60 GB / 2 TB				



FortiDDoS

Introducing FortiDDoS



Hardware Accelerated DDoS Intent Based Defense

Rate Based Detection

- High performance protection using ASIC

Self Learning Baseline

- Ease Maintenance
- Maintain appropriate protection dynamically

Signature Free Defense

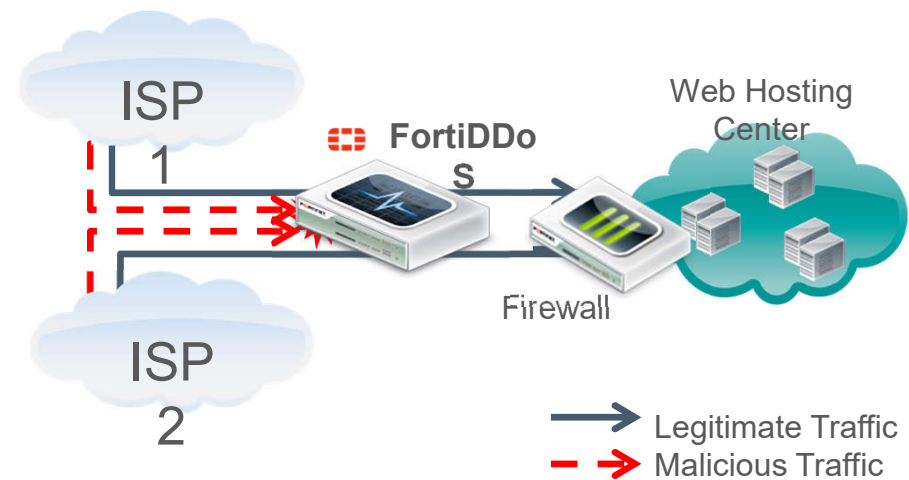
- Hardware based protection

Inline Full Transparent Mode

- No MAC address changes

Granular Protection

- Multiple thresholds to detect subtle changes and provide rapid mitigation



FortiDDoS Series



	FDD-200B	FDD-400B	FDD-800B	FDD-1000B/-DC	FDD-1200B
Throughput (Full Duplex)	2 Gbps	4 Gbps	8 Gbps	12 Gbps	24 Gbps
Simultaneous Connections	1 Mil	1 Mil	2 Mil	3 Mil	4 Mil
Session Setup/Teardown	100,000 / Second	100,000 / Second	200,000 / Second	300,000 / Second	600,000 / Second
Latency	< 50 μ s	< 50 μ s	< 50 μ s	< 50 μ s	< 50 μ s
Interfaces	4 LAN Interfaces (Copper/SFP), 4 WAN Interfaces (Copper/SFP)	8 LAN Interfaces (Copper/SFP), 8 WAN Interfaces (Copper/SFP)	8 LAN Interfaces (Copper/SFP), 8 WAN Interfaces (Copper/SFP)	16x LAN & WAN 10GE SFP/+	16x LAN & WAN 10GE SFP/+, 4 LAN & WAN bypass 10GE SFP/+



FortiMail

Introducing FortiMail



Advanced anti-spam and antivirus filtering solution, with extensive quarantine and archiving capabilities.

Specialized messaging security system

- Advanced, bi-directional filtering prevents spread of spam, viruses, phishing, worms, and spyware

Flexible deployment options

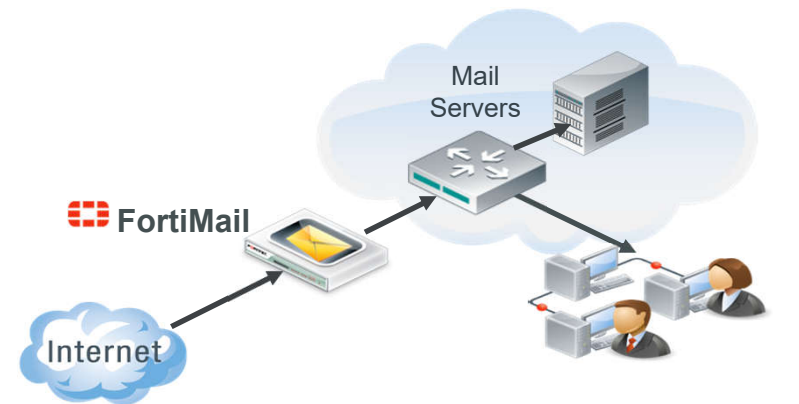
- Transparent, Gateway, and Server modes that adapts to organizational needs and budget

Identity based encryption

- Secure, encrypted communication

Email archiving

- On-box archiving facilitates policy and regulatory compliance requirements



FortiMail Series



FortiMail	FML-60D	FML-200E	FML-400E	FML-1000D	FML-3000D
Email Domains	2	20	100	800	2,000
Server Mode Mailboxes	50	150	400	1,500	3,000
Email Routing* (Msg/hr)	3,600	80 K	157 K	680,000	1.5 Mil
FortiGuard Antispam+AV* (Msg/hr)	2,700	61 K	126 K	500,000	1.3 Mil
GE RJ45 ports	4	4	4	6	4
GE SFP Slots	-	-	-	2	2
Storage capacity	1x 500GB	1x 1TB	2x 1TB	2x 2TB	2x 2TB (Opt. 12TB)
Form Factor	Desktop	Rack Mount, 1RU	Rack Mount, 1RU	Rack Mount, 2RU	Rack Mount, 2RU

* Based on 100KB message size, no queuing

FortiMail-VM Series



FortiMail	FML-VM00	FML-VM01	FML-VM02	FML-VM04	FMG-VM08
Email Domains	2	20	100	800	2,000
Server Mode Mailboxes	50	150	400	1,500	3,000
Email Routing* (Msg/hr)	3,600	34,000	67,000	306,000	675,000
FortiGuard Antispam+AV* (Msg/hr)	2,700	30,000	52,000	225,000	585,000
Max vCPU supported	1	1	2	4	8
Max vNICs	4	4	4	4	4
Storage capacity (Min/Max)	50 GB / 1 TB	50 GB / 1 TB	50 GB / 2 TB	50 GB / 4 TB	50 GB / 8 TB
Memory required (Min/Max)	1 GB / 2 GB	1 GB / 2 GB	1 GB / 4 GB	1 GB / 8 GB	1 GB / 16 GB

* Based on 100KB message size, no queuing



FortiWeb

Introducing FortiWeb



Web application firewall to protect, balance, and accelerate web applications.

Web Application Firewall

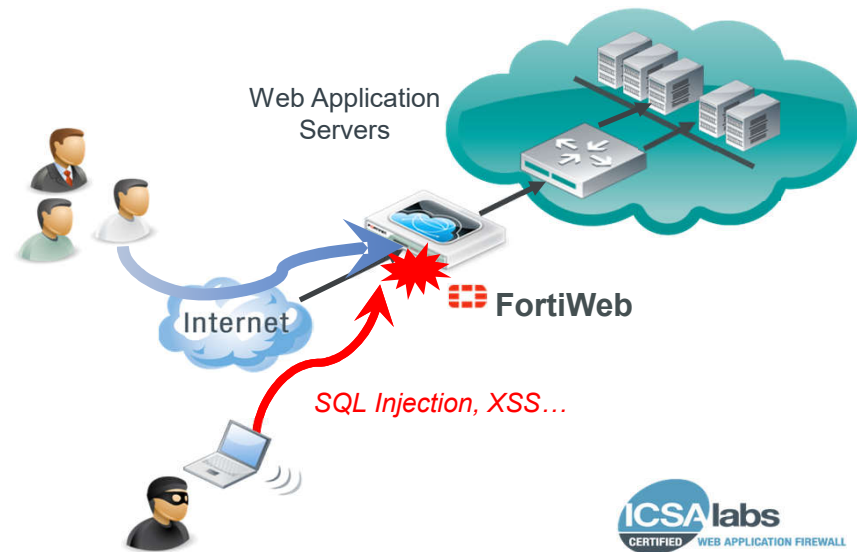
- Aids in PCI DSS 6.6 compliance
- Protection against OWASP Top 10
- Application layer DDoS protection
- Auto Learn security profiles
- Geo IP data analysis and security

Web Vulnerability Scanner

- Scans, analyzes and detects web application vulnerabilities

Application Delivery

- Assures availability and accelerates performance of critical web applications



FortiWeb Series



FortiWeb	FWB-100D	FWB-400D	FWB-1000D	FWB-3000E	FWB-4000E
Throughput	25 Mbps	100 Mbps	1 Gbps	5 Gbps	20 Gbps
Latency	Sub-ms	Sub-ms	Sub-ms	Sub-ms	Sub-ms
GE RJ45 ports	4	4	2 + 4 Bypass	4 + 4 Bypass	4+ 4 Bypass
GE SFP slots	-	4	2	4	4
10GE SFP+	-	-	-	4	4
Storage capacity	16 GB	240 GB	2x 2 TB	2x 2 TB	2x 2 TB
Form Factor	Desktop	Rack mount, 1RU	Rack Mount, 2RU	Rack Mount, 2RU	Rack Mount, 2RU

FortiWeb-VM Series



FortiWeb	FWB-VM02	FWB-VM04	FWB-VM08
Throughput	100 Mbps	500 Mbps	1 Gbps
Max HTTP transactions / Sec	8,000	24,000	36,000
Max vCPU Supported	2	4	8
Memory required (Min)	1 GB		
Storage capacity (Min)	40 GB		



FortiDB

Introducing FortiDB



Database Activity Monitoring and Vulnerability Assessment solution

Database Activity Monitoring (DAM)

- Real-time monitoring of key users and critical transactions
- User Activity Base lining
- Block database attacks in real time

Vulnerability Assessment

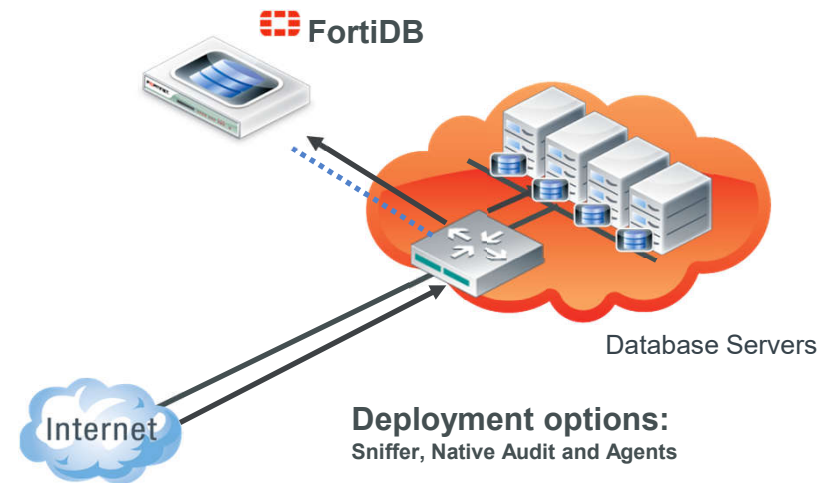
- Sensitive data discovery in databases
- Vulnerability scanning with remediation advice

Policy Driven Controls

- Automated process of establishing IT controls

Database Audit and Compliance

- For compliance and forensics analysis purpose



FortiDB Series



	FortiDB 400B	FortiDB 500D	FortiDB 1000D	FortiDB 3000D
#Licensed DB Instances	10	15	30	90
Total Interfaces	4x GE RJ45, 4x SFP	4x GE RJ45, 4x SFP	6x GE RJ45, 2x SFP	4x GE, 2x GE SFP
Storage	500 GB (1 TB max)	4 TB	4 TB	4 TB
DB Supported	DB2 UDB V8 (VA only), DB2 UDB V9.x (VA only), DB2 UDB V9.1/V9.5/V9.7; MS SQL Server 2000/2005/2008/2008R2, MS SQL Server 2012; MySQL 5.1/5.5; Oracle 9i/10gR1/10gR2/11g; Sybase ASE 12.5 (sniffer only) 15.0.2/15.02/15.5/15.7 (MDA only)			



FortiADC

Introducing FortiADC



Optimize the availability, performance and scalability of mobile, cloud and enterprise application delivery

Application Availability

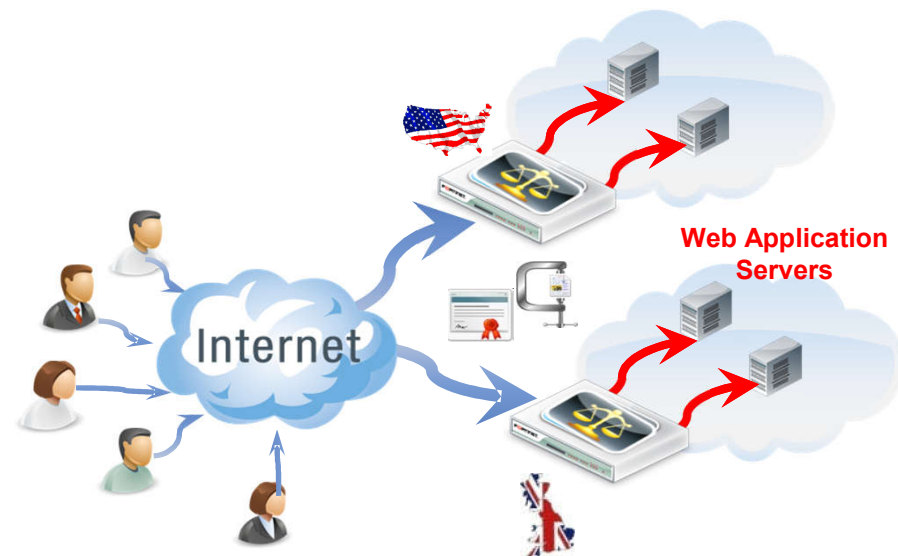
- Layer 2/3/4 and 7 load balancing techniques
- Application session persistence
- Proxy and transparent modes
- Global Server Load Balancing (GSLB) for geographic resilience
- Link Load Balancing

Application Acceleration

- TCP Optimization
- Memory based content caching
- Data compression
- SSL Offload and acceleration

Application Interoperability

- Implementation Guides for Microsoft Exchange, Lync, SAP etc.



FortiADC D-Series



FortiADC	FAD 200D	FAD 300D	FAD 400D	FAD 700D	FAD 1500D	FAD 2000D	FAD 4000D
L4 Throughput	2.7 Gbps	5 Gbps	10 Gbps	15 Gbps	20 Gbps	30 Gbps	50 Gbps
L7 TPS	100,000	242,000	345,000	600,000	800,000	1,200,000	1,600,000
Total Interfaces	4x GE RJ45	4x GE RJ45 4x GE SFP	2x 10 GE SFP+, 4x GE SFP, 4x GE RJ45	4x 10 GE SFP+, 4x GE SFP, 4x GE RJ45	4x 10 GbE SFP+, 8x GE RJ45	4x 10 GbE SFP+, 16x GE RJ45	8x 10 GbE SFP+, 16x GE RJ45
Power Supply	Single	Single	Single (optional Dual)	Single (optional Dual)	Dual	Dual	Dual
OS	FortiADC	FortiADC	FortiADC	FortiADC	FortiADC	FortiADC	FortiADC

* Also available: FAD-VM01, FAD-VM02, FAD-VM04, FAD-VM08 (powered by FortiADC OS)

FortiADC E-Series



FortiADC	FAD 100E	FAD 200E	FAD 300E	FAD 400E	FAD 600E	FAD 1000E
L4 Throughput	1 Gbps	2.7 Gbps	4.8 Gbps	8 Gbps	12 Gbps	15 Gbps
L7 TPS	1,000	2,000	6,500	220,000	280,000	450,000
Total Interfaces	4x GE RJ45	4x GE RJ45	6x GE RJ45	8x GE RJ45	2x 10 GbE SFP+, 8x GE RJ45	2x 10 GbE SFP+, 8x GE RJ45
Power Supply	Single	Single	Single	Single	Single	Dual
OS	Coyote Point rebranded	Coyote Point rebranded	Coyote Point rebranded	Coyote Point rebranded	Coyote Point rebranded	Coyote Point rebranded



FortiWAN

FortiWAN Series



FortiWAN	FWN-200B	FWN-1000B	FWN-3000B
WAN Bandwidth	60-200 Mbps*	1 - 2 Gbps*	3 – 9 Gbps*
Max. WAN Links	25	50	50
Concurrent Connections	800,000	2,000,000	6,000,000
Connections per Second	42,000	180,000	550,000
Network Interfaces	5x GE RJ45	3x GE RJ45, 4x GE SFP	8x 10GE SFP+, 8x GE RJ45 , 8x GE SFP

FortiWAN-VM	FWN-VM02**	FWN-VM04**
WAN Bandwidth	1 Gbps	2 Gbps
Network Interfaces	Up to 10x GE / 10 GE vNICs (1 reserved for HA)	

* Throughputs based on license(s) selected.

** Actual performance values may vary depending on system configuration and network traffic. Performance metrics were observed using a Dell PowerEdge R730 server (2x Intel Xeon E5-2630v3 2.4 GHz 20 MB Cache) running VMware ESXi 5.5 with 2 GB of vRAM assigned to the 2 vCPU and 4 vCPU FortiWAN Virtual Appliances.



FortiCache

Introducing FortiCache



Reduce the cost and impact of downloaded content, while increasing performance by improving the speed of access

Web Content Caching

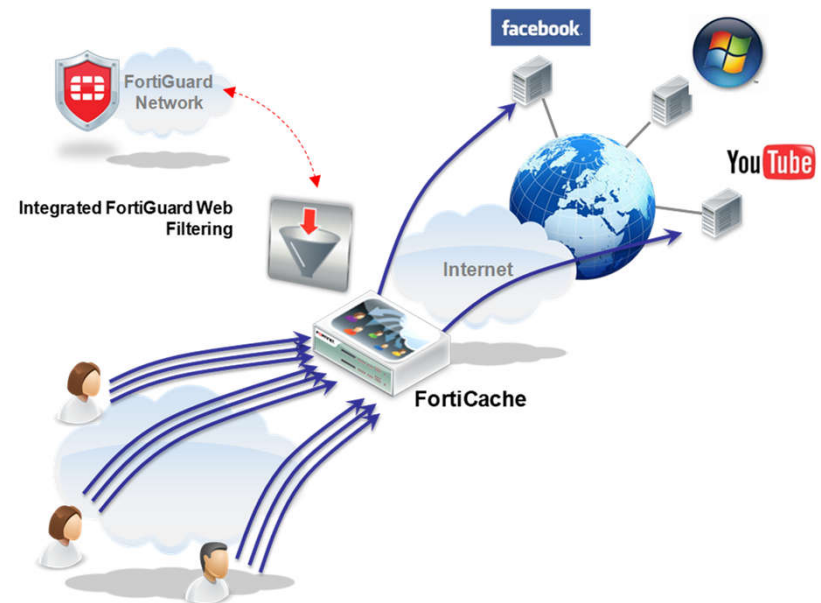
- High performance content caching
- Explicit or Transparent proxy cache
- FortiGuard Web Filtering

Video Caching

- Broad CDN Support
- Detects same video ID when content comes from different CDN hosts
- Supports seek forwards and backwards in video, detectd preceding adverts

WN Optimization

- Bandwidth optimisation across congested WAN Links
- Interoperates with FortiGate



FortiCache Series



	FCH-400C	FCH-400E	FCH-1000D	FCH-3000C	FCH-3000D
Throughput	80Mbps	100 Mbps	200 Mbps	500 Mbps	800 Mbps
Total Interfaces	4x GE RJ45	4x GE RJ45	2x GE RJ45, 2x GE SFP, 4x GE bypass	4x GE RJ45, 2x GE SFP	4x GE RJ45, 2x GE SFP, 2x GE bypass
Storage Capacity	1 TB	2x 2 TB	8 TB	4x 1 TB (6 TB Max)	4x 2 TB (16 TB Max)



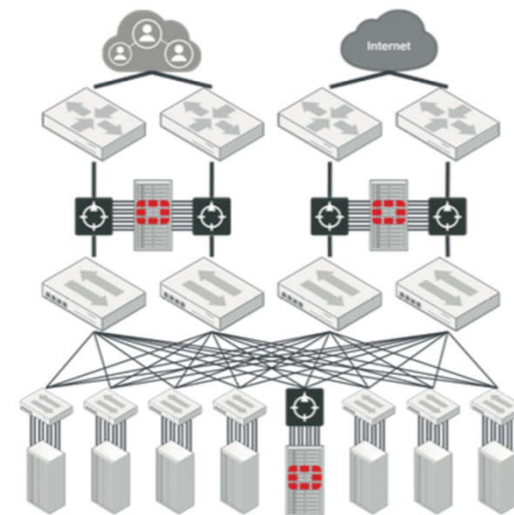
FortiCore

Introducing FortiCore



Network performance tester that aids in infrastructure optimization and configuration validation

- Supports OpenFlow 1.3, with wide support with available SDN controllers
- Full control/data plane separation, with an internal 40 Gbps path in support of a robust new flow rate
- Cardinal Flow Processing (CFP) architecture, support large flow table sizes without sacrificing performance



FortiCore Series



	FCE-3600E	FCE-3700E	FCE-3800E
Packet Throughput	1 Tbps	1 Tbps	1 Tbps
Total Interfaces	32x 10 G SFP+	32x 10 G SFP+, 4x 40 G QSFP	32x 10 G SFP+, 2x 100 G QSFP28
Storage Capacity	2x 480 GB	2x 480 GB	2x 480 GB



FortiRecorder & FortiCamera

Introducing FortiRecorder and FortiCamera



Network-based Video Security that simplify surveillance while streamlining the user experience.

- Capture continuous or motion-based recording (or both)
- Alarms and snapshot notifications keep you aware of what's going on
- An event timeline lets you find and review motion events quickly and easily
- IOS and Android apps for mobile camera access
- Cameras use Power over Ethernet (PoE) for easy installation
- Web-based interface with no need for dedicated client
- Video Management System for Windows (FortiRecorder Central)



FortiRecorder Series



	FRD-100D	FRD-200D	FRD-VM
Camera Capacity	16	64	1024
Form Factor	Desktop	1 RU	VM
Total Interface	3x GE RJ45	4x GE RJ45	1 to 4 network cards supported
Storage	1 TB	1 TB	Unrestricted
Management Tools	FortiRecorder Mobile Apps (iOS, Android), FortiRecorder Central (Windows)		

FortiCamera Series



	FCM-FD40	FCM-FD20	FCM-MD20
Description	Ultra-WDR Day/Night IP Video Security Camera	Versatile Day/Night, Vandal proof indoor/outdoor camera	Day/Night IP Video Security Camera
Camera	4 Megapixel Fixed Dome IP Camera	2 Megapixel Fixed Dome IP Camera	2 Megapixel Mini Dome IP Camera
Additional Features	IR/Night Vision, Audio, DDO	IR/Night Vision, Vandal Proof	IR/Night Vision
Total Interface	1x FE RJ45, 802.3af PoE	1x FE RJ45, 802.3af PoE	1x FE RJ45, 802.3af PoE
Wireless AP	-	-	-

FortiCamera Series



	FCM-CB20	FCM-SD20	FCM-AP214B
Description	Varifocal zoom lens, indoor/outdoor camera	Ultra-WDR IP PTZ Camera , Speed Dome, Indoor/Outdoor	Indoor Fixed Dome IP Camera with built-in wireless AP
Camera	2 Megapixel Bullet IP Camera	2 Megapixel Dome IP Camera	2 Megapixel Indoor Fixed Dome IP Camera
Additional Features	IR/Night Vision, 2.8 - 12mm varifocal lens, IP66	optical 30x zoom, electronic image stabilization, wide dynamic range	LED Night Vision, PIR, Audio, DIDO
Total Interface	1x FE RJ45, 802.3af	1x FE RJ45, 802.3at PoE	1 x GE RJ45, 802.3af PoE
Wireless AP	-	-	single radio (802.11 a/b/g/n, 2x2 MIMO)



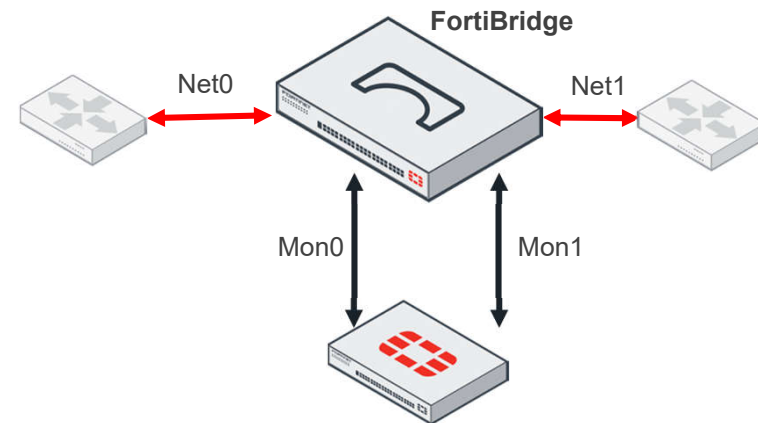
FortiBridge

Introducing FortiBridge



Network device that automatically bridge network traffic in the event of a system failure or power outage.

- Maximizes network uptime by automatically re-routing traffic in the event of a power outage or any other type of event that would degrade the availability of the network segment.
- Monitor and control the bypass status of network segments remotely, with the ability to view mode of operation, manually switch the appliance into bypass or normal operation mode, and configure thresholds for automatic bypass fail-to-wire



Network Appliance (Example: FortiGate)

FortiBridge Series



	FBG-2001	FBG-2001F	FBG-2002	FBG-2002F	FBG-2002X
Network Segments Supported	1 x 1G	1 x 1G	2 x 1G	2 x 1G	2 x 10G
Network Ports (connectors)	2x GE RJ45	2x LC (1G)	4x GE RJ45	4x LC (1G)	4x LC (10G)
Monitor Ports (with Pluggable Transceivers)	2x GE RJ45	2x SX SFP	4x GE RJ45	4x SX SFP	4x SR SFP+
Management Port	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45
Power Supply	Single	Single	Single	Single	Single

FortiBridge Series



	FBG-3002S	FBG-3002L	FBG-3004S	FBG-3004L	FBG-3041S	FBG-3004SL
Chassis + Module(s)	✓	✓	✓	✓	✓	✓
Modules	1	1	2	2	1	2
Network Segments Supported	2 x 10G	2 x 10G	4 x 10G	4 x 10G	1 x 40G	4 x 10G
Network Ports (connectors)	4x LC (10G)	4x LC (10G)	8x LC (10G)	8x LC (10G)	2x MPO (40G)	8x LC (10G)
Monitor Ports (with Pluggable Transceivers)	4x SR SFP+	4x LR SFP+	4x SR SFP+	8x LR SFP+	2x SR QSFP+	2x SR SFP+ 2x LR SFP+
Management Port	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45	1 x GE RJ45
Power Supply	Dual	Dual	Dual	Dual	Dual	Dual



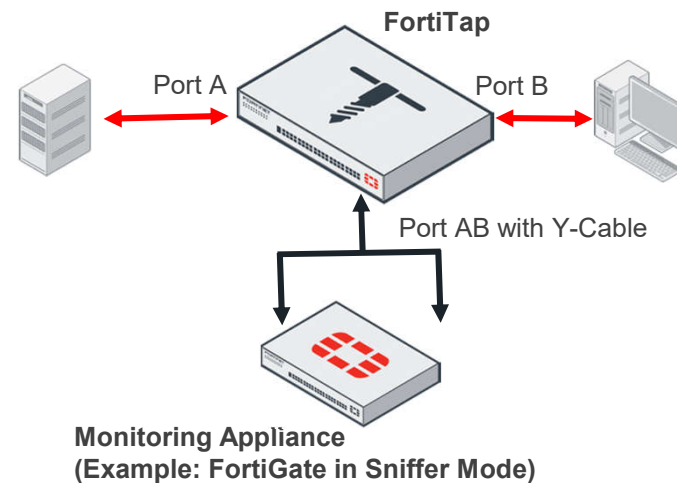
FortiTap

Introducing FortiTap



Passive network taps provide a simple and powerful way to monitor optical networks

- Facilitate forensic analysis and reporting on network traffic flows
- Overcome inline network device monitoring system limitations
 - Significantly less performance impact on network traffic
 - More cost efficient when monitoring high bandwidth aggregated links with 10G interfaces and beyond
- Ideal for FortiGate deployed with Sniffer mode and FortiSandbox standalone Mode.



FortiTap Series

FortiTap 124A Chassis

Modules



	1G/10G Module		40G Module		100G Module	
	Multi-mode fiber	single-mode fiber	Multi-mode fiber	single-mode fiber	Multi-mode fiber	single-mode fiber
50/50 Split	FTP-15M	FTP-15S	FTP-45M	FTP-45S	FTP-105M	FTP-105S
70/30 Spilt	FTP-17M	FTP-17S	FTP-47M	FTP-47S	FTP-107M	FTP-107S
FortiCare	8x5 Annual Contract					



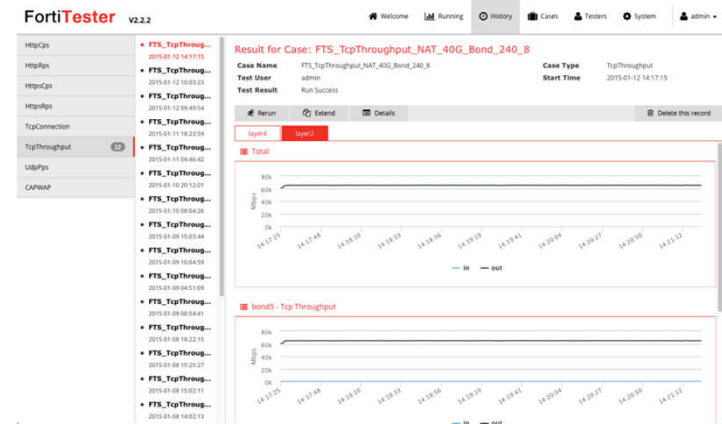
FortiTester

Introducing FortiTester



Network performance tester that aids in infrastructure optimization and configuration validation

- Affordable appliance that provides low TCO
- Run network performance tests
 - Connections (TCP)
 - throughput (TCP)
 - PPS (UDP)
 - CPS (HTTP/HTTPS)
 - RPS (HTTP/HTTPS)
 - CAPWAP throughput
- Ease-to-use web-based UI
 - History Viewer
 - Case Profiles



FortiTester Series



System performance based on v2.2

	FTS-2000D
Target Use Case	Performance testing for multi-gigabit networks/appliance
TCP Throughput	19 Gbps
TCP Connection	550,000
HTTP CPS	950,000
HTTPS CPS	7,000
HTTP RPS	800,000
HTTPS RPS	19,000
CAPWAP Throughput	2.7 Gbps
Total Interfaces	4x 10GE SFP+, 1x MGMT GE RJ45
Form Factor	1U
Storage	120 GB SSD



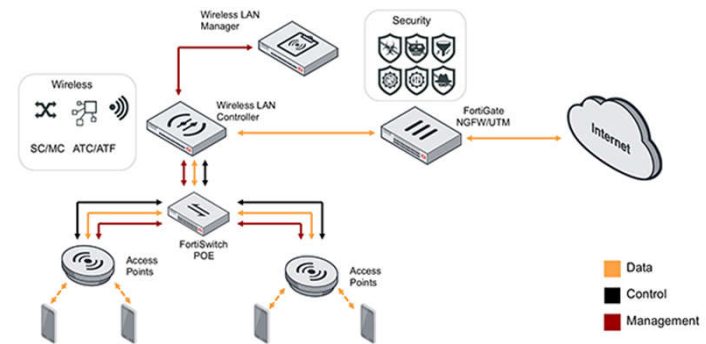
FortiWLC

Introducing FortiWLC



Wi-Fi Controller that manages authentication, encryption and virtual private network connections for the wireless network.

- Powered by System Director OS, and supports 802.11ac Wave II access points
- Radio frequency virtualization supported by patented Virtual Cell technology
- Infrastructure-controlled, zero-loss handoffs and traffic load balancing
- Multilayered wireless LAN security: 802.1X authentication, encryption, firewall, and optional wireless IPS/IDS
- Seamless interoperability with multi-vendor network infrastructure





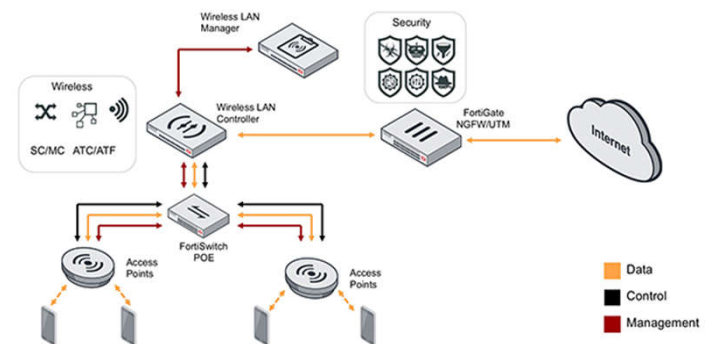
FortiWLM

Introducing FortiWLM



Platform for secure access applications focused on WLAN management, interference detection and security.

- Hardware platform to support Fortinet infrastructure wireless network applications
- Network management that supports monitoring, configuring and reporting of wireless network health
- RF interference detection and mitigation
- A choice of appliances sized to fit your business scale





Other Information

Virtual Appliance Platforms



Virtual Appliance	VMware			Citrix		Open Source		Amazon	Microsoft		
	vSphere v4.x	vSphere v5.x	vSphere v6.0	Xen Server v5.6 SP2	Xen Server v6.0	Xen	KVM	AWS	Hyper-V 2008 R2	Hyper-V 2012	Azure
FortiGate-VM*	✓	✓	✓	✓	✓	✓	✓	✓ **	✓	✓	✓
FortiManager-VM	✓	✓	✓		✓	✓	✓	✓	✓	✓	
FortiAnalyzer-VM	✓	✓	✓		✓	✓	✓	✓	✓	✓	
FortiWeb-VM	✓	✓	✓		✓	✓	✓	✓ **		✓	✓
FortiMail-VM	✓	✓	✓		✓		✓		✓	✓	
FortiAuthenticator-VM	✓	✓	✓						✓	✓	
FortiADC-VM		✓	✓								
FortiCache-VM	✓	✓	✓								
FortiVoice-VM		✓	✓		✓		✓			✓	
FortiRecorder-VM		✓	✓		✓		✓			✓	
FortiSandbox-VM		5.1, 5.5									
FortiWAN-VM		5.5	✓								

FortiGuard Services



	App. Control	IPS	AV	IP Rep./ Anti-bot	Web Filtering	Anti-spam	Vuln. Scan	Mobile Security	WAF	DB Security
FortiGate	✓		✓ ^		✓	✓	✓ *	✓		
FortiSandbox		✓								
FortiClient*	✓		✓		✓		✓			
FortiCache			✓		✓					
FortiMail			✓ ^			✓				
FortiWeb			✓	✓					✓	
FortiADC D-Series				✓					✓	
FortiADC E-Series				✓						
FortiDDoS				✓						
FortiDB										✓

Change Log



June2015

- Update to VM Matrix
- Add new products

Aug2015

- Update to VM Matrix
- Update to FortiGuard Matrix

Sep2015

- Add FortiMonitor, FortiAP S-series
- Update to VM Matrix

Oct2015

- New 16:9 Format and hardware feature icons
- Add new products and FortiMoM
- Update 3810D UDP throughput

Nov2015

- Update FWB specs

Dec2015

- Update VM table

Jan2016

- Remove Proxy AV

Feb2016

- Add NGFW Specs, new design for FortiGate slides

Mar 2016

- Add new products and layout for FAP and FSW