Secure SD-WAN

Product Offerings

F:::RTINET®

SD-WAN Hub, Branches, and Management available in:

Appliance   Virtual Machine   Cloud

BRANCHES	SMALL RETAIL/ OFFICE	MEDIUM RETAIL/BRANCH/SMB				LARGE BRANCH/CAMPUS	
Appliances	**40F**	**60F**	**70F**	**80F**	**90G**	**100F**	**200F**
IPsec VPN Throughput[1]	4.4 Gbps	6.5 Gbps	6.1 Gbps	6.5 Gbps	25 Gbps	11.5 Gbps	13 Gbps
Threat Protection[2]	600 Mbps	700 Mbps	800 Mbps	900 Mbps	2.2 Gbps	1 Gbps	3 Gbps
Application Control Throughput[3]	990 Mbps	1.8 Gbps	1.8 Gbps	1.8 Gbps	6.7 Gbps	2.2 Gbps	13 Gbps
SSL Inspection Throughput	310 Mbps	630 Mbps	700 Mbps	715 Mbps	2.6 Gbps	1 Gbps	4 Gbps
Unrestricted Bandwidth	⊘	⊘	⊘	⊘	⊘	⊘	⊘
Zero Trust Network Access (ZTNA)	⊘	⊘	⊘	⊘	⊘	⊘	⊘
Services							
Cloud Management & Analytics		Available with FGT Cloud Management & Analytics license					
Underlay Monitoring Services		Available with SDWAN-Underlay Monitoring Services license					
Overlay-as-a-Service		Available with Overlay-as-a-Service license					
Connectivity							
Interfaces	5 x GE RJ45	10 x GE RJ45	10 x GE RJ45	8 x GE RJ45 2 x Shared Port Pairs	8 x GE RJ45 2 × 10 GE Shared Port Pairs	18 x GE RJ45 8 x GE SFP 2 × 10 GE SFP+ 4 x Shared Port Pairs	18 x GE RJ45 8 x GE SFP 4 × 10 GE SFP+
Hardware Variants	WiFi, 3G4G	WiFi, Storage	Storage	WiFi, Bypass, POE, Storage	Storage	Storage	Storage
5G/LTE Connectivity		Supports FortiExtender					
Extensibility		Supports FortiAP, FortiSwitch					
Form Factor	Desktop	Desktop		Desktop	Desktop	1RU	1RU
Power Supply	Single AC PS	Single AC PS	Single AC PS	Single AC PS, dual inputs	Single AC PS, dual inputs	Dual AC PS	Dual AC PS

1 The IPsec VPN performance test uses AES256-SHA256
2 SSL Inspection performance values use an average of HTTPS sessions of different cipher suites
3 IPS, Application Control, NGFW, and Threat Protection are measured with logging enabled

BRANCH BUNDLES

FortiGate Unified Threat Protection	40F	60F	70F	80F	90G	100F	200F
Base	FG-40F-BDL-950-DD	FG-60F-BDL-950-DD	FG-70F-BDL-950-DD	FG-80F-BDL-950-DD	FG-90G-BDL-950-DD	FG-100F-BDL-950-DD	FG-200F-BDL-950-DD
Wifi Variant	FWF-40F-A-BDL-950-DD	FWF-60F-A-BDL-950-DD		FWF-80F-2R-A-BDL-950-DD			
LTE Variant	FG-40F-3G4G-BDL-950-DD						
Wifi + LTE Variant	FWF-40F-3G4G-A-BDL-950-DD						
Wifi + LTE + DSL Variant				FWF-80F-2R-3G4G-DSL-A-BDL-950-DD			
Storage Variant		FG-61F-BDL-950-DD	FG-71F-BDL-950-DD	FG-81F-BDL-950-DD	FG-91G-BDL-950-DD	FG-101F-BDL-950-DD	FG-201F-BDL-950-DD
Wifi + Storage Variant		FWF-61F-A-BDL-950-DD		FWF-81F-2R-A-BDL-950-DD			
Wifi + Storage + DSL Variant				FWF-81F-2R-3G4G-DSL-A-BDL-950-DD			
Bypass				FG-80F-BYPASS-BDL-950-DD			
POE				FG-80F-POE-BDL-950-DD FG-80F-DSL-BDL-950-DD			
Renewal							
Base	FC-10-0040F-950-02-DD	FC-10-0060F-950-02-DD	FC-10-0070F-950-02-DD	FC-10-0080F-928-02-DD	FC-10-0090G-928-02-DD	FC-10-F100F-928-02-DD	FC-10-F200F-928-02-DD
Wifi Variant	FC-10-W040F-928-02-DD	FC-10-W060F-950-02-DD		FC-10-W080F-950-02-DD			
LTE Variant	FC-10-F40FG-950-02-DD						
Wifi + LTE Variant	FC-10-F40FI-950-02-DD						
Storage Variant		FC-10-0061F-950-02-DD	FC-10-0071F-950-02-DD	FC-10-0081F-950-02-DD		FC-10-F101F-950-02-DD	FC-10-F201F-950-02-DD
Wifi + Storage Variant		FC-10-W061F-950-02-DD		FC-10-W081F-950-02-DD			
Bypass				FC-10-F80FC-950-02-DD			
POE				FC-10-F80FP-950-02-DD			
Services							
FGT Cloud Management & Analytics (base)	FC-10-0040F-131-02-DD	FC-10-FG60F-131-02-DD	FC-10-0070F-131-02-DD	FC-10-0080F-131-02-DD	FC-10-0090G-131-02-DD	FC-10-F100F-131-02-DD	FC-10-F200F-131-02-DD
SDWAN-Underlay Monitoring Services (base)	FC-10-0040F-288-02-DD	FC-10-FG60F-288-02-DD	FC-10-0070F-288-02-DD	FC-10-0080F-288-02-DD	FC-10-0090G-288-02-DD	FC-10-F100F-288-02-DD	FC-10-F200F-288-02-DD
SDWAN Overlay-as-a-Service	FC-10-0040F-657-02-DD	FC-10-FG60F-657-02-DD	FC-10-0070F-657-02-DD	FC-10-0080F-657-02-DD	FC-10-0090F-657-02-DD	FC-10-F100F-657-02-DD	FC-10-00207-657-02-DD

HUBS

Appliances	400F	600F	900G	1000F	1800F	2200E	2600F
IPsec VPN Throughput[1]	55 Gbps	55 Gbps	55 Gbps	55 Gbps	55 Gbps	98 Gbps	55 Gbps
Max IPsec Tunnels[1]	50,000	50,000	50,000	100,000	100,000	100,000	100,000
Threat Protection[2]	9 Gbps	10.5 Gbps	20 Gbps	13 Gbps	15 Gbps	11 Gbps	25 Gbps
SSL Inspection Throughput[3] (IPS, avg. HTTPS)	8 Gbps	9 Gbps	16.7 Gbps	10 Gbps	12 Gbps	17 Gbps	20 Gbps
Services							
Cloud Management & Analytics	Available with FGT Cloud Management & Analytics license						
Underlay Monitoring Services	Available with SDWAN-Underlay Monitoring Services license						
Overlay-as-a-Service	Available with Overlay-as-a-Service license						
Connectivity							
100GE QSFP28				✓	✓		✓
40GE QSFP+				✓	✓	✓	✓
25GE SFP28		✓	✓	✓	✓	✓	✓
10GE SFP+	✓	✓	✓	✓	✓	✓	✓
1GE SFP/RJ45	✓	✓	✓	✓	✓	✓	✓
Hardware Variants							
Built-in Storage	✓	✓	✓	✓	✓	✓	✓
Bypass							
Redundant Hot-Swap PSUs	✓	✓	✓	✓	✓	✓	✓
DC Power					✓		✓

HUBS

Appliances	3000F	3300E	3400E	3500F	3700F
IPsec VPN Throughput[1]	105 Gbps	98 Gbps	140 Gbps	165 Gbps	160 Gbps
Max IPsec Tunnels[1]	200,000	200,000	200,000	200,000	200,000
Threat Protection[2]	33 Gbps	17 Gbps	25 Gbps	63 Gbps	75 Gbps
SSL Inspection Throughput[3] (IPS, avg. HTTPS)	29 Gbps	21 Gbps	30 Gbps	63 Gbps	55 Gbps
Services					
Cloud Management & Analytics	Available with FGT Cloud Management & Analytics license				
Underlay Monitoring Services	Available with SDWAN-Underlay Monitoring Services license				
Overlay-as-a-Service	Available with Overlay-as-a-Service license				
Connectivity					
400GE QSFP-DD					✓
200GE QSFP56					✓
100GE QSFP28	✓		✓	✓	✓
50GE SFP56					✓
40GE QSFP+	✓	✓	✓	✓	✓
25GE SFP28	✓	✓	✓	✓	✓
10GE SFP+	✓	✓	✓	✓	✓
1GE SFP/RJ45	✓	✓	✓	✓	✓
Hardware Variants					
Built-in Storage	✓	✓	✓	✓	✓
Bypass					
Redundant Hot-Swap PSUs	✓	✓	✓	✓	✓
DC Power	✓				

1 The IPsec VPN performance test uses AES256-SHA256
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HUBS					
Appliances	**3960E**	**3980E**	**4200F**	**4400F**	**4800F**
IPsec VPN Throughput[1]	280 Gbps	400 Gbps	210 Gbps	310 Gbps	800 Gbps
Max IPsec Tunnels[1]	200,000	200,000	200,000	200,000	200,000
Threat Protection[2]	13.5 Gbps	20 Gbps	45 Gbps	75 Gbps	75 Gbps
SSL Inspection Throughput[3] **(IPS, avg. HTTPS)**	23 Gbps	26 Gbps	50 Gbps	86 Gbps	63 Gbps
Services					
Cloud Management & Analytics	Available with FGT Cloud Management & Analytics license				
Underlay Monitoring Services	Available with SDWAN-Underlay Monitoring Services license				
Overlay-as-a-Service	Available with Overlay-as-a-Service license				
Connectivity					
400GE QSFP-DD					✓
200GE QSFP56					✓
100GE QSFP28	✓	✓	✓	✓	✓
50GE SFP56					✓
40GE QSFP+	✓	✓	✓	✓	✓
25GE SFP28			✓	✓	✓
10GE SFP+	✓	✓	✓	✓	✓
1GE SFP/RJ45	✓	✓	✓	✓	✓
Hardware Variants					
Built-in Storage			✓	✓	✓
Bypass					
Redundant Hot-Swap PSUs	✓	✓	✓	✓	✓
DC Power	✓	✓	✓	✓	

1 The IPsec VPN performance test uses AES256-SHA256
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3 IPS, Application Control, NGFW, and Threat Protection are measured with logging enabled

HUB BUNDLES

FortiGate Unified Threat Protection	400F	600F	900G	1000F	1800F	2200E	2600F
Base	FG-400F-BDL- 950-DD	FG-600F-BDL- 950-DD	FG-900G-BDL-950-DD	FG-1000F-BDL-950-DD	FG-1800F-BDL-950-DD	FG-2200E-BDL-950-DD	FG-2600F-BDL-950-DD
Storage Variant	FG-401F-BDL-950-DD	FG-601F-BDL-950-DD	FG-901G -BDL-950-DD	FG-1001F-BDL-950-DD	FG-1801F-BDL-950-DD	FG-2201E-BDL-950-DD	FG-2601F-BDL-950-DD
Bypass							
DC Power Variant					FG-1800F-DC-BDL-950-DD		FG-2600F-DC-BDL-950-DD
Storage + DC Power Variant					FG-1801F-DC-BDL-950-DD		FG-2601F-DC-BDL-950-DD
Renewal							
Base	FC-10-0400F-950-02-DD	FC-10-0600F-950-02-DD	FC-10-0900G-950-02-DD	FC-10-F1K0F-950-02-DD	FC-10-F18HF-950-02-DD	FC-10-F22HE-950-02-DD	FC-10-F26HF-950-02-DD
Storage Variant	FC-10-0401F-950-02-DD	FC-10-0601F-950-02-DD	FC-10-0901G-950-02-DD	FC-10-F1K1F-950-02-DD	FC-10-F18F1-950-02-DD	FC-10-F22E1-950-02-DD	FC-10-F26F1-950-02-DD
Bypass							
DC Power					FC-10-D18HF-950-02-DD		FC-10-FD26F-950-02-DD
Storage + DC Power Variant					FC-10-D18F1-950-02-DD		FC-10-FD261-950-02-DD
Services							
FGT Cloud Management & Analytics (base)	FC-10-0400F-131-02-DD	FC-10-0600F-131-02-DD	FC-10-0900G-131-02-DD	FC-10-F1K0F-131-02-DD	FC-10-F18HF-131-02-DD	FC-10-F22HE-131-02-DD	FC-10-F26HF-131-02-DD
SDWAN-Underlay Monitoring Services (base)	FC-10-0400F-288-02-DD	FC-10-0600F-288-02-DD	FC-10-0900G-288-02-DD	FC-10-F1K0F-288-02-DD	FC-10-F18HF-288-02-DD	FC-10-F22HE-288-02-DD	FC-10-F26HF-288-02-DD
SDWAN Overlay-as-a-Service	FC-10-0400F-657-02-DD	FC-10-0600F-657-02-DD	FC-10-FG9H0-657-02-DD	FC-10-F1K0F-657-02-DD	FC-10-F18HF-657-02-DD	FC-10-F22HE-657-02-DD	FC-10-F26HF-657-02-DD
Licenses							
HyperScale					LIC-FG18F-HYPSC		LIC-FG26F-HYPSC
Carrier							

HUB BUNDLES

FortiGate Unified Threat Protection	3000F	3200F	3300E	3600E	3500F
Base	FG-3000F-BDL-950-DD	FG3200F-BDL-950-DD	FG-3300E-BDL-950-DD	FG-3600E-BDL-950-DD	FG-3500F-BDL-950-DD
Storage Variant	FG-3001F-BDL-950-DD	FG-3201F-BDL-950-DD	FG-3301E-BDL-950-DD	FG-3601E-BDL-950-DD	FG-3501F-BDL-950-DD
Bypass					
DC Power Variant	FG-3000F-DC-BDL-950-DD			FG-3600E-DC-BDL-950-DD	
Storage + DC Power Variant	FG-3001F-DC-BDL-950-DD				
Renewal					
Base	FC-10-F3K0F-950-02-DD	FC-10-F3K2F-950-02-DD	FC-10-F33HE-950-02-DD	FC-10-F3K6E-950-02-DD	FC-10-F3K5F-950-02-DD
Storage Variant	FC-10-F3K1F-950-02-DD	FC-10-F32F1-950-02-DD	FC-10-F33E1-950-02-DD	FC-10-F36E1-950-02-DD	FC-10-F35F1-950-02-DD
Bypass					
DC Power	FC-10-FD3K0-950-02-DD			FC-10-FD3K6-950-02-DD	
Storage + DC Power Variant	FC-10-FD3K1-950-02-DD				
Services					
FGT Cloud Management & Analytics (base)	FC-10-F3K0F-131-02-DD		FC-10-F33HE-131-02-DD	FC-10-F3K4E-131-02-DD	FC-10-F3K5F-131-02-DD
SDWAN-Underlay Monitoring Services (base)	FC-10-F3K0F-288-02-DD		FC-10-F33HE-288-02-DD	FC-10-F3K4E-288-02-DD	FC-10-F3K5F-288-02-DD
SDWAN Overlay-as-a-Service	FC-10-F3K0F-657-02-DD	FC-10-F3K2F-657-02-DD	FC-10-F33HE-657-02-DD	FC-10-F3K6E-657-02-DD	FC-10-F3K5F-657-02-DD
Licenses					
HyperScale	LIC-FG30F-HYPSC				LIC-FG35F-HYPSC
Carrier	FCR-EUPG		FCR-EUPG	FCR-EUPG	FCR-EUPG

HUB BUNDLES

FortiGate Unified Threat Protection	3700F	4200F	4400F	4800F
Base	FG-3700F-BDL-950-DD	FG-4200F-BDL-950-DD	FG-4400F-BDL-950-DD	FG-4800F-BDL-950-DD
Storage Variant	FG-3701F-BDL-950-DD	FG-4201F-BDL-950-DD	FG-4401F-BDL-950-DD	FG-4801F-BDL-950-DD
Bypass				
DC Power Variant		FG-4200F-DC-BDL-950-DD	FG-4400F-DC-BDL-950-DD	
Storage + DC Power Variant		FG-4201F-BDL-950-DD	FG-4401F-DC-BDL-950-DD	
Renewal				
Base	FC-10-F3K7F-950-02-DD	FC-10-F42HF-950-02-DD	FC-10-F44HF-950-02-DD	FC-10-F48HF-950-02-DD
Storage Variant	FC-10-F37F1-950-02-DD	FC-10-F421F-950-02-DD	FC-10-F441F-950-02-DD	FG-4801F-BDL-950-DD
Bypass				
DC Power		FC-10-D42HF-950-02-DD	FC-10-D44HF-950-02-DD	
Storage + DC Power Variant		FC-10-F421F-950-02-DD	FC-10-D441F-950-02-DD	
Services				
FGT Cloud Management & Analytics (base)	FC-10-F3K7F-131-02-DD			
SDWAN-Underlay Monitoring Services (base)	FC-10-F3K7F-288-02-DD	FC-10-F42HF-288-02-DD	FC-10-F44HF-288-02-DD	FC-10-F481F-288-02-DD
SDWAN Overlay-as-a-Service	FC-10-F3K7F-657-02-DD	FC-10-F42HF-657-02-DD	FC-10-F44HF-657-02-DD	FC-10-F48HF-657-02-DD
Licenses				
HyperScale		LIC-FG42F-HYPSC	LIC-FG44F-HYPSC	LIC-FG48F-HYPSC
Carrier	FCR-EUPG	FCR-EUPG	FCR-EUPG	FCR-EUPG

FORTIGATE VM: PRIVATE CLOUD SUPPORT MATRIX						
	VMware VSphere	Citrix Xen	Xen	KVM	Microsoft Hyper-V	Nutanix AHV
FG-VM	✓	✓	✓	✓	✓	✓

FORTIGATE VM: PUBLIC CLOUD SUPPORT MATRIX					
	Amazon AWS	Microsoft Azure	Oracle OCI / OPC	Google GCP	Alibaba AliCloud
FG-VM	✓ / #	✓ / #	✓ / #	✓ / #	✓ / #

\# - On-demand

PROFESSIONAL SERVICES PACKAGES			
	Standalone Site	Hub and Spoke (Single DC)	Hub and Spoke with ZTP (Single DC)
SDWAN FortiGate Deployment QuickStart Service	FP-10-QSSDWAN-DP1-00-00	FP-10-QSSDWAN-DP2-00-00	FP-10-QSSDWAN-DP3-00-00

The QuickStart SD-WAN service is a consulting services that provides assistance for the deployment of a pre-defined FortiGate SD-WAN configuration into a customer's environment

FORTIMANAGER: CENTRALIZED MANAGEMENT PLATFORM

	HARDWARE					SUBSCRIPTION	
	200G	400G	1000F	3000G	3700G	Cloud	VM
Default Devices/VDOMs	30	150	1,000	4,000	10,000		10
Max Devices/VDOMs with add-on license				8,000	100,000	10,000	100,000
Default ADOMs	30	150	1,000	4000	10,000		Add-On
Max ADOMs with add-on license				8,000	12,000		1,200
Management Extension Application (MEA) enabled				⊘	⊘		⊘
Additional Services							
FortiCare Premium Contract	Subscription					⊘	⊘
FortiCare Elite Contract	Subscription					No	No
FortiCare Best Practice Services (BPS)	Included in hardware bundle + a la carte					⊘	⊘
Replacement Disks			⊘	⊘	⊘		
How to Buy	Hardware Bundle	Hardware Bundle	Hardware Bundle	Hardware Bundle	Hardware Bundle	Multi-Device Subscription	VM Bundle/ Subscription

FORTIMANAGER BUNDLES

Appliances	200G	400G	1000F	3000G	3700G
Hardware Bundle	FMG-200G-BDL-447-DD	FMG-400G-BDL-447-DD	FMG-1000F-BDL-447-DD	FMG-3000G-BDL-447-DD	FMG-3700G-BDL-447-DD
Renew Bundle	FC-10-M200G-447-02-DD	FC-10-M400G-447-02-DD	FC-10-FM1KF-447-02-DD	FC-10-M03KG-447-02-DD	FC-10-M3K7G-447-02-DD
Support-only Renewal	FC-10-M200G-247-02-DD	FC-10-M400G-247-02-DD	FC-10-FM1KF-247-02-DD	FC-10-M03KG-247-02-DD	FC-10-M3K7G-247-02-DD
Replacement Disks					
Replacement Disk SKU			SP-FMG1KF-HDD	SP-D4TC	SP-DAM37G4T
Replacement PSUs					
Replacement PSU SKU	SP-FAD400F-PS	SP-FAZ800G-PS	SP-FMG400E-PS	SP-FAZ3000G-PS	SP-FAZ3700F-PS

FORTIMANAGER VM

	10 Devices	100 Devices	1000 Devices		Description
Subscription Bundles	FC1-10-FMGVS-448-01-DD	FC2-10-FMGVS-448-01-DD	FC3-10-FMGVS-448-01-DD		All in one subscription bundle including FortiManager VM S-series, FortiCare Premium Contract, and FortiCare Best Practice services. Fully stackable.
	10 Devices	100 Devices	1000 Devices	5000 Devices	Description
Perpetual License	FMG-VM-10-UG	FMG-VM-100-UG	FMG-VM-1000-UG	FMG-VM-5000-UG	Perpetual license. Purchase FortiCare Premium Contract and FortiCare Best Practices services separately. Only the number of managed devices is stackable.

FORTIMANAGER CLOUD

	10 Devices	100 Devices	1000 Devices	Description
Multi-Device Subscription	FC1-10-MVCLD-227-01-DD	FC2-10-MVCLD-227-01-DD	FC3-10-MVCLD-227-01-DD	FortiManager Cloud Central Management & Orchestration Service including 24×7 FortiCare support. Fully Stackable.

FORTIMANAGER VM: PRIVATE CLOUD SUPPORT

	VMware	Citrix Xen	KVM	Microsoft Hyper-V	Nutanix AHV	Oracle Private Cloud	OpenSource Xen
FMG-VM	⊘	⊘	⊘	⊘	⊘	⊘	⊘

FORTIMANAGER VM: PUBLIC CLOUD SUPPORT

	Amazon AWS	Microsoft Azure	Google GCP	Oracle OCI / OPC
FMG-VM	⊘	⊘	⊘	

FORTIMONITOR: SD-WAN SYNTHETIC TRANSACTION MONITORING (STM)

SOLUTION BUNDLE	SKU LICENSE	SD WAN STM BUNDLE
SD WAN STM Application Monitoring Retrieves NTT, SRT, DNS lookup time, HTTPS response time, and RTT against custome & OOTB applications across all SD WAN connections to measure application reachability & performance.	10-Pack	FC1-10-MNCLD-672-01-12
	25-Pack	FC2-10-MNCLD-672-01-12
	500-Pack	FC3-10-MNCLD-672-01-12
	2000-Pack	FC4-10-MNCLD-672-01-12
	10,000-Pack	FC5-10-MNCLD-672-01-12

CONSIDERATIONS FOR BRANCH AND HUB SELECTION

Selecting the Branch or HUB devices depends on multiple factors that are unique to each deployment. Speak with a Fortinet specialist for assistance selecting the right devices for your environment.

Below are the most common selection criteria and some commonly selected Hub devices, based on deployment sizes (for reference purposes only).

Branch Selection
- Security requirements
- Number of users
- Throughput
- Interface connectivity
- Wireless requirements
- Redundancy (WAN, Power, IPsec Tunnels, Device)

HUB Selection
- Security requirements
- IPsec throughput
- Total IPsec Tunnels
- Interface connectivity
- Redundancy (Ports, Device, Power, Intra-site)
- AC or DC Power

Hub Sizing Examples (Reference Only)
- Up to 500 Sites (400F-600F)
- Up to 2,000 Sites (1000F-1800F)
- Up to 5,000 Sites (2200E-2600F)
- Up to 10,000 Sites (3000F-3700F)
- Beyond 10,000+ Sites (3960E-4800F)

NSE TRAINING AND CERTIFICATION

Fortinet NSE 7: SD-WAN

Instructor-led learning of the most common SD-WAN scenarios, from single Enterprise location with SASE, to multi-data center and custom apps deployments:
- **FT-SD-WAN** - NSE7/SD-WAN Training - 4 days

Certification Exams

NSE7 Network Security Architect:
- **NSE-EX-CERT**

Pre-requisites

Advanced networking skills and hands-on experiene with FortiGate and FortiManager. The following courses are recommended:
- **NSE4** - FortiGate Security
- **NSE4** - FortiGate Infrastructure
- **NSE5** - FortiManager

References

https://training.fortinet.com/local/staticpage/view.php?page=library_sd-wan

FREQUENTLY ASKED QUESTIONS

Is there an extra license to use SD-WAN with FortiGate?

No, SD-WAN is a feature included in FortiOS at no additional cost. Fortinet recommends purchasing security subscription services as necessary and utilizing a FortiManager for central management.

Are there any bandwidth licensing or restrictions?

Fortinet does not charge for bandwidth usage and you are free to use as much as the box will physically support.

I don't see any Orchestration models or pricing, is that an additional cost?

FortiGate SD-WAN intelligence and self-healing is built into the box without the need of a traditional orchestrator. There is no additional cost or sizing considerations for an orchestrator.

To centrally manage and monitor your SD-WAN devices, we recommend purchasing the FortiManager based on total number of devices that will be managed.

Where can I deploy a FortiGate SD-WAN device?

FortiGate models are available as a physical appliance or as a virtual machine that can be deployed in private or public clouds. Please see the FortiGate-VM Support Matrix for a comprehensive list of supported hypervisors and public cloud marketplaces: https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/fortigate-vm.pdf.

Which FortiGate models can be utilized as a SD-WAN Hub?

Any FortiGate model can be utilized as an SD-WAN Hub or Branch. This guide provides guidance on Branch and Hub models based on common deployment use cases.

Why is "Maximum IPSec Tunnels" omitted for Branches?

IPSec phase1 interfaces have no hard limit and are only limited by system memory. Our tests have shown to support several hundred tunnels on even the smallest box but varies based on many factors.

How is Overlay-as-a-Service priced?

The licensing model is per-FortiGate device. This means that each FortiGate that participates in the SDWAN overlay region will need an individual device entitlement and registered to the same FortiCloud account. No other purchase or license is necessary. Upon activating the service from the OaaS portal, FortiGate HUB devices will be assigned and allocated for the SDWAN overlay region.

How is the SDWAN Underlay Monitoring service priced? Is a FortiManager license required?

SDWAN Underlay Monitoring is licensed per-FortiGate and no additional licensing is required. FortiManager allows you to execute and monitor the speed test service from a remote FortiGate device with the proper license.

How is FortiMonitor Synthetic Transaction Monitoring (STM) priced?

A "Pack" refers to the total number of FortiGates that will integrate with FortiMonitor OnSight agents. Agents integrate with SD-WAN to monitor all available WAN underlay links. There is no licensing limits on the number of WAN underlay links to be monitored.

Example: 10-Pack includes 10 FortiGates, 25-Pack includes 25 FortiGates

How is "Threat Protection" measured and what does it include?

Threat Protection performance is measured with Firewall, IPS, Application Control, URL Filtering and Malware Protection enabled, Enterprise Mix traffic

What does the "Unified Threat Protection" license include?

The Unified Threat Protection license includes: IPS, Advanced Malware Protection, Application Control, Botnet DB, Mobile Malware, Outbreak Prevention, Web & Video Filtering, Cloud sandbox, Secure DNS filtering, AntiSpam Service, and 24×7 support.

For more information, please visit: https://www.fortinet.com/content/dam/fortinet/assets/data-sheets/FortiGuard_Security_Services.pdf.

Where could I find the maximum values for SD-WAN components, such as rules and performance SLA's?

The maximum system values for all FortiGates can be found here: https://docs.fortinet.com/max-value-table.

What do I need for Zero Touch Provisioning (ZTP)?

ZTP can be accomplished a number of different ways. For most deployments, we recommend purchasing FortiDeploy (FDP-SINGLE-US) with your purchase order. FortiDeploy will link the serial numbers in your order to your FortiCloud account. A FortiManager IP address can be assigned to your devices automatically so they retrieve their configuration automatically from the FortiManager of your choice.

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