



# FortiGate<sup>®</sup> Maximum Values Matrix

Technical Note



## ***FortiGate Maximum Values Matrix***

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## Introduction

This document lists unit limits and per virtual domain (VDOM) limits. The unit limit is the maximum number allowed when the unit is operating without VDOMs. When VDOMs are enabled, the unit limit is the limit for all VDOMs combined, and the VDOM limit is the maximum number allowed per VDOM.

If a unit limit exists, it is not divided evenly among the VDOMs present on the FortiGate unit. Each VDOM can take advantage of its own limit until the combined number in all of the VDOMs reaches the unit limit. If the unit limit is met, no more instances can be created in any VDOM.

For example, the FortiGate-80C address groups have a unit limit of 5000 and a VDOM limit of 4000. If VDOMs are disabled, you can create 5000 address groups. The VDOM limit doesn't affect the FortiGate unit when VDOMs are disabled.

If VDOMs are enabled, you can 4000 address groups per VDOM, but the unit maximum prevents you from creating more than 5000 in total, across all the VDOMs. If you configure three VDOMs and create 3000 address groups in one VDOM, 2000 address groups in another VDOM, you will not be able to create any address groups in the remaining VDOM. The number of address groups in this example have not approached the maximum allowed per VDOM, but creating one more address group in any of the three VDOMs will exceed the unit maximum, and is therefore not permitted.

**Table 1: Address groups in example VDOMs**

<b>Root VDOM</b>	3000 address groups
<b>VDOM 1</b>	2000 address groups
<b>VDOM 2</b>	0 address groups
	5000 address groups in total

For information about global and per-VDOM features, see the Virtual Domain chapter in the [FortiOS Handbook](#).

### Transparent mode interfaces

Any virtual domain can have a maximum of 255 interfaces in transparent mode. This includes VLANs, other virtual interfaces, and physical interfaces. NAT/Route mode supports from 255 to 8192 depending on the FortiGate model. This total number of interfaces includes VLANs, other virtual interfaces, and physical interfaces.

For information about global and per-VDOM features, see the System Administration chapter in the [FortiOS Handbook](#).



## FortiGate maximum values

FortiGate Model		30B	All 50 and 60 models	All 80 models	100A	110C and 111C	200A, 224B	200B	300A	310B, 311B	400A	500A	620B	800 800F	1000A 1000FA2	1240B	3600,3600A 3016B, 3810A ONE	3040B	3950B, 3951B	5000 Series
System																				
Interface	NAT mode: Interfaces (VLAN + physical) per VDOM	3†	256	256	256	4096	4096	4096	4096	8192	4096	8192	8192	8192	8192	8192	8192	8192	8192	8192
	Transparent mode: Interfaces (VLAN + physical) per VDOM	3†	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255	255
	Secondary IP addresses per interface	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	IPv6 prefix lists per interface	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
IPv6 tunnels		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
SIT tunnels per VDOM		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Zones		20	20	20	20	50	50	50	50	100	100	100	200	100	200	500	500	300	500	500
Zone interfaces		** See maximum values for system interfaces. **																		
DHCP	DHCP servers per VDOM	8	8	8	8	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	DHCP exclude ranges	4	4	4	4	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	DHCP reserved addresses	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
SNMP v1&v2c	Communities	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	Community hosts	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Admin	Accounts	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	550
	Access profiles	8	8	8	8	16	16	16	16	16	16	16	64	16	64	64	64	64	64	64
Session-helper		32	32	32	32	32	32	32	256	256	256	256	256	256	256	256	256	256	256	256
Session-TTL ports		512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512	512
Mac Address table size		200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
VDOM link		** VDOM links are interfaces. See maximum values for system interfaces. **																		
GRE tunnel		** GRE tunnels are interfaces. See maximum values for system interfaces. **																		
ARP table size		2000	2000	2000	2000	2000	2000	2000	2000	10240	2000	2000	10240	10240	2000	81920	81920	81920	81920	81920
ARP table size per VDOM		200	200	200	200	200	200	200	200	1024	200	200	1024	1024	200	8192	8192	8192	8192	8192
ARP proxy		200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
TOS-based priority		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Router (NAT mode)																				
Static	Static routes	100	100	100	100	500	500	500	500	500	500	500	10000	500	10000	10000	10000	10000	10000	10000
Static6	Static routes for IPv6	8	8	8	8	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Policy	Policy routes	16	16	16	16	100	100	100	100	250	100	100	250	250	250	250	250	250	250	250
Access-list	Entries	n/a	32	32	32	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Rules per entry	n/a	128	128	128	256	256	256	256	256	256	256	512	256	512	512	512	512	512	512

FortiGate Model		30B	All 50 and 60 models	All 80 models	100A	110C and 111C	200A, 224B	200B	300A	310B, 311B	400A	500A	620B	800 800F	1000A 1000FA2	1240B	3600,3600A 3016B, 3810A ONE	3040B	3950B, 3951B	5000 Series	
Prefix-list	Entries	n/a	32	32	32	100	100	20	100	100	100	100	100	100	100	100	100	100	100	100	
	Rules per entry	n/a	20	20	20	20	20	16	20	20	20	20	20	20	20	20	20	20	20	20	
Key-chain	Entries	n/a	16	16	16	16	16	16	16	16	16	16	100	16	100	100	100	100	100	100	
	Rules per entry	n/a	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
BGP	Confederation- peers	n/a	** No set limit **																		
	Aggregate-addresses	n/a	** No set limit **																		
	Neighbors	n/a	** No set limit **																		
	Networks	n/a	** No set limit **																		
	Redistribution tables per VDOM	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Authentication paths		** No set limit **																			
RIP	Networks	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	Distribute lists	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	Neighbors	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	Offset lists	n/a	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
	Distances	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	Passive interfaces	n/a	256	256	256	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	Interfaces	n/a	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
	Redistribution tables per VDOM	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
OSPF	Areas	n/a	** No set limit **																		
	Range of areas	n/a	** No set limit **																		
	Virtual links	n/a	** No set limit **																		
	Filter lists	n/a	** No set limit **																		
	Interfaces	n/a	** See maximum values for system interfaces. **																		
	Networks	n/a	** No set limit **																		
	Neighbors	n/a	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Passive interfaces	n/a	** No set limit **																		
	Summary addresses	n/a	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Distribute lists	n/a	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
	Redistribution tables per VDOM	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Route	Map	n/a	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	Map rule	n/a	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	

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Feature																			
Firewall																			
Policies	VDOM	200	200	4000	1000	5000	2000 <sup>M</sup>	8000	5000	20000	5000	20000	50000	20000	50000	50000	50000	50000	50000
	Unit	** No set limit *		5000	5000	10000	4000 <sup>N</sup>	16000	10000	40000	10000	40000	100000	40000	100000	100000	100000	100000	100000
	User groups per identity-based policy	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Policy pool names	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64	64
IPv6 policies	VDOM	200	200	4000	1000	2000	2000	2000	5000	20000	5000	20000	50000	20000	50000	50000	50000	50000	50000
	Unit	** No set limit *		5000	5000	4000	4000	4000	10000	40000	10000	40000	100000	40000	100000	10000	100000	100000	100000
Multicast policies	32	32	32	32	64	64	64	64	128	64	128	128	128	128	256	256	256	256	
DNS translations	32	32	32	32	32	512	512	512	512	512	512	1024	512	512	1024	1024	1024	1024	
Load balancing monitor	VDOM	n/a	256	256	256	256	256	256	256	256	256	256	256	256	512	512	512	512	
	Unit	n/a	** No set limit **																
Addresses	VDOM	500	500	500	500	1000	1000	1000	3000	6000	3000	6000	10000	6000	10000	10000	10000	10000	
	Unit	** No set limit **						1000	6000	12000	6000	12000	20000	12000	20000	20000	20000	20000	
IPv6 addresses	VDOM	500	500	500	500	1000	1000	1000	3000	6000	3000	6000	10000	6000	10000	10000	10000	10000	
	Unit	** No set limit **						1000	6000	12000	6000	12000	20000	12000	20000	20000	20000		
Address group	Groups/VDOM	500	500	500	500	500	500	500	500	500	500	500	4096	500	4096	4096	4096	4096	
	Groups/Unit	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	10000	2500	10000	10000	10000	10000	
	Addresses per group	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	** No set limit **	
IPv6 address group	Groups/VDOM	500	500	500	500	500	500	500	500	500	500	500	4096	500	4096	4096	4096	4096	
	Groups/Unit	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	10000	2500	10000	10000	10000	10000	
Service	Predefined services	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
	Custom services	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	4096	4096	1024	
Service group	Groups	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
	Services per group	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
Schedules	One-time	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	
	Recurring	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	
Virtual IP	Virtual IPs	500	500	500	500	500	500	500	500	2048	500	500	8196	500	8196 <sup>K</sup>	10000	10000 <sup>P</sup>	10000	
	VIP groups	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	
	Addresses per VIP group	500	500	500	500	500	500	500	500	500	500	500	500	500	500	1024	1024	1024	
Load Balance	Virtual servers	n/a	1	1 <sup>Q</sup>	1	3	500	500	500	500	500	500	8196	500	8196 <sup>K</sup>	10000	10000	10000	
	Real servers per Virtual server	n/a	3	3	3	8	8	8	8	8	8	8	8	8	16	16	16	16	
Protocol options	32	32	32	32	32	32	32	32	32	32	32	500	500	500	500	500	500	500	

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Feature																			
IP pools	512	512	512	512	512	1024	1024	1024	1024	1024	1024	2048	1024	1024	1024	4096	2048	4096	4086
Static IP/Mac bindings	256	256	256	256	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Traffic Shapers	n/a	32	32	32	32	32	32	32	500	32	500	500	500	500	500	500	500	500	500
Per-IP traffic shaper	32	32	32	32	32	32	32	32	500	32	500	500	500	500	500	500	500	500	500
UTM																			
AntiVirus	Antivirus profiles	32	32	32	32	32	32	32	32	500	32	500	500	500	500	500	500	500	500
	File patterns for auto-submission to Fortinet	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	File pattern lists	10	10	10	10	10	10	10	10	10	10	10	1000	1000	1000	2000	2000	2000	20000
	File pattern list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	32000	50000	32000	32000	50000	50000	5000	250000	250000	250000	250000
Intrusion Protection	IPS sensors	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	DoS sensors	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
	Custom IPS signatures	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
Web Filter	Web Filter profiles	32	32	32	32	32	32	32	500	32	500	500	500	500	500	500	500	500	500
	Web content lists	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000
	Web content list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000
	URL filter lists	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000
	URL filter list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000
	Regex URL filter entries per VDOM	100	1000	1000	4000	4000	4000	4000	4000	10000	4000	10000	10000	10000	10000	10000	10000	10000	10000
	FortiGuard local categories per VDOM	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52	52
	FortiGuard local ratings per VDOM	1000	2000	2000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
	FortiGuard admin overrides per VDOM	10	50	50	200	200	200	200	200	400	200	400	400	400	400	400	400	400	400
FortiGuard user overrides per VDOM	10	50	50	200	200	200	200	200	400	200	400	400	400	400	400	400	400	400	

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AntiSpam	Email Filter profiles	32	32	32	32	32	32	32	32	500	32	500	500	500	500	500	500	500	500	500	
	Banned word lists	10	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000	
	Banned word list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000
	DNSBL lists	10	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000	2000
	DNSBL list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000
	Email black/white lists	10	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000	2000
	Email black/white list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000
	IP address black/white lists	10	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000	2000
	IP address black/white list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000
	Trusted IP address lists	10	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000	2000
	Trusted IP address list per VDOM	20000	20000	20000	32000	32000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000
	MIME header lists	10	10	10	10	10	10	10	10	1000	10	10	1000	1000	1000	2000	2000	2000	2000	2000	2000
MIME header list entries per VDOM	20000	20000	20000	32000	32000	32000	32000	32000	32000	50000	32000	32000	50000	50000	50000	250000	250000	250000	250000	250000	
Data Leak Prevention	Rules per VDOM	512	512	1000	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	
	Rules per unit	512	512	1000	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	
	Compound rules per VDOM	512	512	1000	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	16384	
	Compound rules per unit	512	512	1000	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	32768	
	Sensors per VDOM	8	8	8	8	8	8	8	8	25000	8	8	25000	25000	25000	32000	32000	32000	32000	32000	
	Sensors per unit	256	256	256	256	256	256	256	256	5000	256	256	50000	50000	50000	64000	64000	64000	64000	64000	
Application Control	Application Control Lists	32	32	32	32	32	32	256	32	32	32	32	32	32	32	32	32	32	32	32	
VPN																					
Certificate	Local	200	200	200	200	200	200	200	500	500	500	500	500	500	500	1000	1000	1000	1000	1000	
	CA	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	
	CRL	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	

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IPSec	Phase1 per VDOM	5	20	200 <sup>L</sup>	80	1500	200	2000	1500	3000	3000	3000	5000	3000	5000	5000	5000	5000	5000	5000	
	Phase1 per unit	** No set limit **																			
	Phase1 interface	** See maximum values for system interfaces. **																			
	Phase2 per VDOM	5	20	200 <sup>L</sup>	80	1500	200	2000	1500	3000	3000	3000	5000	3000	5000	5000	5000	5000	5000	50000	5000
	Phase2 per unit	** No set limit **																			
	Phase2 interface	** See maximum values for system interfaces. **																			
	Manual-keys per VDOM	5	20	50	80	200	200	2000	1500	3000	1500	3000	5000	3000	5000	5000	5000	5000	5000	50000	5000
	Manual-keys per unit	** No set limit **																			
	Manual-keys interface	** See maximum values for system interfaces. **																			
	Concentrators	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Tunnels per concentrator	10	40	100	160	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	
User																					
Local	Local users	20	20	500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	5000	5000	1000	50000	5000	
Radius	Servers	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
LDAP	Servers	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
TACACS+	Servers	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
Windows AD	Active Directory groups per domain	256	256	256	256	256	256	256	256	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	1024	
User Group	User groups	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	Members per user group	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	350	
	Directory Service groups	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	FortiGuard override profiles	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	
IM Users	AIM users	20	20	500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
	ICQ users	20	20	500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
	MSN users	20	20	500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
	Yahoo users	20	20	500	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
WAN Optimization																					
Rule	Rules	n/a	n/a	n/a	n/a	64 <sup>E</sup>	n/a	64	n/a	128 <sup>F</sup>	n/a	n/a	128	n/a	n/a	256	256 <sup>G</sup>	256	256	256 <sup>H</sup>	
	SSL servers	n/a	n/a	n/a	n/a	64 <sup>E</sup>	n/a	64	n/a	128 <sup>F</sup>	n/a	n/a	128	n/a	n/a	256	256 <sup>G</sup>	256	256	256 <sup>H</sup>	
Peer	Authentication groups	n/a	n/a	n/a	n/a	32 <sup>E</sup>	n/a	32	n/a	64 <sup>F</sup>	n/a	n/a	64	n/a	n/a	128	128 <sup>G</sup>	128	128	128 <sup>H</sup>	
	Peers	n/a	32	32	32	64 <sup>E</sup>	64	64	64	128 <sup>F</sup>	64	64	128	128	128	256	256 <sup>G</sup>	256	256	256 <sup>H</sup>	
Web Cache	Web cache exempt lists	n/a	256	256	256	256 <sup>E</sup>	256	256	256	256 <sup>F</sup>	256	256	256	256	256	256	256 <sup>G</sup>	256	256	256 <sup>H</sup>	
Wireless Controller																					
Virtual AP		16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
Managed Physical AP		n/a	4 <sup>S</sup>	16	16	32	32	32	32	64	32	32	128	64	64	64	256 <sup>R</sup>	128	512	512	

FortiGate Model	30B	All 50 and 60 models	All 80 models	100A	110C and 111C	200A, 224B	200B	300A	310B, 311B	400A	500A	620B	800 800F	1000A 1000FA2	1240B	3600,3600A 3016B, 3810A ONE	3040B	3950B, 3951B	5000 Series
Assigned Virtual AP list for each Physical AP	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
Logging																			
Traffic filter rules	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Custom log fields per firewall policy	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Datasets	n/a	192	192	192	192	192	192	192	192	192	192	256	192	192	192	256	256	256	256
Fields per dataset	n/a	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
Charts	n/a	192	192	192	192	192	192	192	192	192	192	256	192	192	192	256	256	256	256
Chart mapping	n/a	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Summary	n/a	16	16	16	16	16	16	16	16	16	16	32	16	16	16	32	32	32	32
Style	n/a	128	128	128	128	128	128	128	128	128	128	256	128	128	128	256	256	256	256
Theme	n/a	8	8	8	8	8	8	8	8	8	8	16	8	8	8	16	16	16	16
Layout	n/a	16	16	16	16	16	16	16	16	16	16	32	16	16	16	32	32	32	32
Body items per layout	n/a	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256	256
Headers per page, per report layout	n/a	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Footers per page, per report layout	n/a	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2

† The FortiGate-30B does not have VLAN or VDOM support. Only the three physical interfaces (Internal, External, Modem) are available.

<sup>A</sup> FortiGate-1000A value = 500

<sup>B</sup> FortiGate-5001 and 5001FA2 value = 4096

<sup>C</sup> FortiGate-5001A value=5000

<sup>D</sup> FortiGate-3600 value=4096

<sup>E</sup> WAN optimization is supported on the FGT-111C, but not the FGT-110C.

<sup>F</sup> WAN optimization is supported on the FGT-311B, but not the FGT-310B.

<sup>G</sup> WAN optimization is supported on the FGT-3600A, FGT-3016B, and FGT-3810A, but not on the FGT-3600.

<sup>H</sup> WAN optimization is supported on the FGT-5001A-SW, but not on any other 5000-series FortiGate units.

<sup>J</sup> FortiGate-5001FA2 value=4096

<sup>K</sup> FortiGate-1000A value=500

<sup>L</sup> FortiGate-60B and WiFi-60B value=50

<sup>Q</sup> FortiGate-82C value=3

<sup>R</sup> FortiGate-3810A value=512, all other 3000 series is 256.

<sup>S</sup> FortiGate-60 series only.



## Revision history

Version	Date	Description of changes
First Release	23 October 2003	FortiOS v2.50
Release 2	9 March 2004	Updated the DHCP address scopes and DHCP reserved IP/MAC pairs maximum values. Added FortiGate-800, FortiGate-4000, FortiGate-50A, and FortiWiFi-60. Updated Web filter and email filter maximum values. FortiOS v2.50
Release 3	5 May 2004	Complete change for FortiOS v2.80
Release 4	17 August 2004	Updated maximum numbers of Virtual Domains for NAT/Route and Transparent mode. Clarified Spam Filter limits. Removed model 2000. FortiOS v2.80 MR4
Release 5	5 November 2004	Corrected max number of protection profiles to 200 for models 3000 and up.
Release 6	25 February 2005	Added 50AM, 60M, 100A, 200A, 300A, 400A, 500A models. Added statement the maximum values table shows maximum configurable values and is not a promise of performance.
Release 7	08 April 2005	Removed items that depend on memory availability, including Web Filter and Spam Filter lists. Removed "(per virtual domain)" indications and added the statement that limits are global for globally configured features, per-VDOM for features configured in each VDOM.
Release 8	12 May 2005	Corrected DHCP Servers entry. For models 200 and above, the maximum number of DHCP servers is 32 per VDOM, not 8. This is a long-standing error.
Release 9	4 October 2005	Updated, reformatted for FortiOS v3.0.
Release 10	26 October 2005	Changed number of interfaces for 100A to 64.
Release 11	28 April 2006	Added new features, updated limits for existing features where required. Added VDOM/global limits to features that can be configured per VDOM and globally. <b>Note:</b> The feature <b>DHCP IP/MAC Bindings</b> is now referred to as <b>DHCP Reserved addresses</b> .
Release 12	19 June 2006	Added new features for FortiOS v3.0 MR2 PD 19 June 2006.
Release 13	29 September 2006	Added/updated features for FortiOS v3.0 MR3 PD 29 September 2006.
Release 14	29 December 2006	Added/updated features for FortiOS v3.0 MR4 PD 29 December 2006.
Release 15	08 February 2007	Corrected value in Router (NAT mode), Static, Static routes.
Release 16	11 April 2007	Corrected system interface values, divided into Transparent and NAT mode.
Release 17	15 June 2007	Added/updated features for FortiOS v3.0 MR5 PD 25 June 2007.
Release 18	15 January 2008	Added/updated features for FortiOS v3.0 MR6 FCS 15 January 2008. Included increased values for remote authentication servers, increase in local users and static routes, addition of TACACS+ users, SSL VPN bookmarks, load-balancing monitors, router authentication paths, and removal of IPS anomalies.
Release 19	15 May 2008	Added the FortiGate-310B.
Release 20	26 August 2008	Updated the values for 3.0MR7 and added the FortiGate-30B.

Version	Date	Description of changes
Release 21	4 March 2009	Updated the values for 4.0 and added the FortiGate-110B and the FortiGate-620B.
Release 22	15 April 2009	Added the FortiGate-3600, 50B, 51B, 110C and 111C models. Added maximum values for DLP, application control, identity-based policies, traffic shapers, endpoint control, transparent mode interface limit, antispam banned words, antispam DNSBL, antispam email black/white lists, antispam IP address black/white lists, antispam trusted IP lists, antispam MIME header lists, SIT tunnel, WAN opt authentication groups, WAN opt peers, WAN opt rules, WAN opt SSL servers, web filter content block, web filter exempt, web filter URL filter, FortiGuard web filtering local ratings, and FortiGuard web filtering overrides.
Release 23	22 May 2009	Corrected some FortiGate-30B values and added the virtual servers table.
Release 24	29 July 2009	Expanded the virtual servers and real servers per virtual server information to cover all models and moved it into the main table under Firewall.
Release 25	10 September 2009	Updated the values for 4.0MR1 and added the FortiWiFi-80CM, FortiGate-80CM, 80C, and 82C.
Release 26	3 November 2009	Updated to include FortiGate-1240B units running special build 3.0 MR7. This release is intended for only those FortiGate-1240B units running special build 3.0 MR7 and contains information that is supported for that build. For example, application control and DLP information is left blank because there is no application control or DLP feature in FortiOS 3.0 MR7.
Release 27	11 November 2009	Updated to include virtual servers and real servers per virtual server.
Release 28	12 November 2009	Revised numbers for virtual servers.
Release 29	17 November 2009	Added FortiGate-200B values.
Release 30	23 November 2009	Corrected numbers for virtual servers for 80 models and 110C and 111C models.
Release 31	2 February 2010	Added information for FortiGate-1240B and FortiGate-200B.
Release 32	13 April 2010	Added the FortiGate-ONE information. Updated to include 4.0 MR2 information.
Release 33	19 April 2010	Removed 200B from the column, 200A, 200B, 224B.
Release 34	22 April 2010	Corrected the number in the All 80 models column for Real servers per Virtual server.
Release 35	13 July 2010	Corrected the number in IP pool for the FortiGate-3000 series column.
Release 36	12 August 2010	Corrected the firewall policies number for FortiGate-200B. Updated information for wireless controller section and added directory service user groups.
Release 37	20 September 2010	Corrected the Managed Physical AP numbers for 30B and 50 series.
Release 38	8 November 2010	Corrected the IPsec VPN Phase 1 and Phase 2 maximum values, as well as the Manual Key value. Updated the introductory paragraph and where to go for additional virtual domain information.
Release 39	30 November 2010	Corrected the ARP table size information.
Release 40	16 December 2010	Added information for FortiGate-3040B, FortiGate-3950B and 3951B.
Release 41	4 February 2011	Expanded the introduction with transparent mode information and additional details about VDOMs. Moved revision history to the end of the document.





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