

	USG FLEX 50	USG FLEX 100*10	USG FLEX 100W	USG FLEX 200	USG FLEX 500	USG FLEX 700
Hardware Specifications						
Wireless standard	-	-	802.11 a/b/g/n/ac	-	-	-
10/100/1000 Mbps RJ-45 ports	4 x LAN/DMZ, 1 x WAN	4 x LAN/DMZ, 1 x WAN	4 x LAN/DMZ, 1 x WAN, 1 x SFP	4 x LAN/DMZ, 2 x WAN, 1 x SFP	7(Configurable), 1x SFP	12 (configurable), 2x SFP (configurable)
USB3.0 ports	1	1	1	2	2	2
Console port	Yes (RJ-45)	RJ45	RJ45	DB9	DB9	Yes (DB9)
Rack-mountable	-	-	-	Yes	Yes	Yes
Fanless	Yes	Yes	Yes	Yes	-	-
System Capacity & Performance*1						
SPI firewall throughput (Mbps)*2	350	900	900	1,800	2,300	5,400
VPN throughput (Mbps)	90	270	270	450	810	1,100
VPN IMIX Throughput (Mbps)*3	40	100	100	160	240	550
IPS throughput (Mbps)*4	-	540	540	1,100	1,500	2,000
Anti-Malware throughput (Mbps)*4	-	360	360	570	800	1,450
AV throughput (Mbps)*4	-	360	360	570	800	1,450
UTM throughput (Anti-malware & IPS, Mbps)*4	-	360	360	550	800	1,350
Max. TCP concurrent sessions*5	20,000	300,000	300,000	600,000	1,000,000	1,600,000
Recommended gateway-to-gateway IPsec VPN tunnels	5	20	20	50	150	250
Max. concurrent IPsec VPN tunnels*6	10	40	40	100	300	500
Concurrent SSL VPN users	5 / 15	30	30	60	150	150
VLAN interface	8	8	8	16	64	128
Wireless Specifications						
Standard compliance	-	-	802.11 a/b/g/n/ac	-	-	-
Wireless frequency	-	-	2.4 / 5 GHz	-	-	-

Stand September 2023

Radio	-	-	2	-	-	-
SSID number	-	-	4	-	-	-
No. of antenna	-	-	3 detachable antennas	-	-	-
Antenna gain	-	-	2 dBi @ 2.4 GHz 3 dBi @ 5 GHz	-	-	-
Data rate	-	-	802.11n: up to 450Mbps 802.11ac: up to 1300Mbps	-	-	-
Key Features						
Security features						
Sandboxing ^{*7}	-	Yes	Yes	Yes	Yes	Yes
Reputation Filter ^{*7}	-	Yes	Yes	Yes	Yes	Yes
Anti-Malware ^{*7}	-	Yes	Yes	Yes	Yes	Yes
IPS ^{*7}	-	Yes	Yes	Yes	Yes	Yes
Application Patrol ^{*7}	-	Yes	Yes	Yes	Yes	Yes
Email Security ^{*7}	-	Yes	Yes	Yes	Yes	Yes
Web filtering ^{*7}	Yes	Yes	Yes	Yes	Yes	Yes
SecuReporter ^{*7}	Yes	Yes	Yes	Yes	Yes	Yes
Collaborative Detection & Response ^{*7}	-	Yes	Yes	Yes	Yes	Yes
SSL (HTTPS) Inspection	-	Yes	Yes	Yes	Yes	Yes
Geo Enforcer	Yes	Yes	Yes	Yes	Yes	Yes
2-Factor Authentication	Yes	Yes	Yes	Yes	Yes	Yes
Device Insight	Yes	Yes	Yes	Yes	Yes	Yes
Security Profile Synchronize (SPS) ^{*7}	Yes	Yes	Yes	Yes	Yes	Yes
VPN Features						
VPN	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec	IKEv2, IPSec, SSL, L2TP/IPSec
Microsoft Azure	Yes	Yes	Yes	Yes	Yes	Yes
Amazon VPC	Yes	Yes	Yes	Yes	Yes	Yes
WLAN Management						

Stand September 2023

Default Number of Managed AP	-	8	8	8	8	8
Recommend max. AP in 1 AP Group	-	10	10	20	60	200
Secure WiFi Service ^{*7}	-	Yes	Yes	Yes	Yes	Yes
Maximum No. of Tunnel-Mode AP	-	6	6	10	18	130
Maximum No. of Managed AP	-	24	24	40	72	520
Connectivity Management						
Nebula Cloud Managed Mode	Yes	Yes	Yes	Yes	Yes	Yes
Device HA Pro	-	-	-	-	Yes	Yes
Link Aggregation (LAG)	-	-	-	-	Yes	Yes
Hotspot Management ^{*7}	-	-	-	Yes	Yes	Yes
Ticket printer support ^{*9} / Support Qty (max.)	-	-	-	Yes (SP350E) / 10	Yes (SP350E) / 10	Yes (SP350E) / 10
Concurrent device logins (default/max.) ^{*7*8}	64	64	64	200	200 / 300	500 / 2000
Power Requirements						
Power input	12V DC, 2.0 A max.	12V DC, 2A max.	12V DC, 2A max.	12V DC, 2.5A max.	12V DC, 4.17A	100-240V AC, 50/60Hz, 2.5A max.
Max. power consumption (Watt Max.)	12	12.5	12.5	13.3	24.1	46
Heat dissipation (BTU/hr)	40.92	42.65	42.65	45.38	82.23	120.1
Physical Specifications						
Item						
Dimensions (WxDxH)(mm/in.)	216 x 147.3 x 33/ 8.50 x 5.80 x 1.30	216x147.3x33/ 8.50x5.80x1.30	216 x 147.3 x 33/ 8.50 x 5.80 x 1.30	272x187x36 10.7x7.36x1.42	300x 88x44 16.93x7.4x1.73	430 x 250 x 44/ 16.93 x 9.84 x 1.73
Weight (kg/lb.)	0.88/1.94	0.85/1.87	0.85/1.87	1.4/3.09	1.65 / 3.64	3.3/7.28
Packing						
Dimensions (WxDxH)(mm/in.)	276 x 185 x 98/ 10.87 x 7.28 x 3.86	284x190x100/ 11.18x7.48x3.94	284 x 190 x 100/ 11.18 x 7.48 x 3.94	427x247x73/ 16.81x9.72x2.87	351x152x245/ 13.82x5.98x9.65	519 x 392 x 163/ 20.43 x 15.43 x 6.42

Stand September 2023

Weight (kg/lb.)	1.41/3.11	1.40/3.09	1.40/3.09	2.23 (W/O bracket) 2.42 (W/ bracket)	2.83/6.24	4.8/10.58
Included accessories	Power adapter RJ-45 - RS-232 cable for console connection	Power adapter RJ-45 - RS-232 cable for console connection	Power adapter RJ-45 - RS-232 cable for console connection	Power adapter Rack mounting kit	Power adapter Power cord Rack mounting kit	Power cord Rack mounting kit
Environmental Specifications						
Operating environment						
Temperature	0°C to 40°C / 32°F to 104°F	0°C to 40°C / 32°F to 104°F	0°C to 40°C / 32°F to 104°F	0°C to 40°C/ 32°F to 104°F	0°C to 40°C/ 32°F to 104°F	0°C to 40°C / 32°F to 104°F
Humidity	10% to 90% (non-condensing)	10% to 90% (non- condensing)	10% to 90% (non-condensing)	10% to 90% (non- condensing)	10% to 90% (non- condensing)	10% to 90% (non- condensing)
Storage environment						
Temperature	- 30°C to 70°C / - 22°F to 158°F	- 30°C to 70°C / - 22°F to 158°F	- 30°C to 70°C / - 22°F to 158°F	- 30°C to 70°C / - 22°F to 158°F	- 30°C to 70°C / - 22°F to 158°F	- 30°C to 70°C / - 22°F to 158°F
Humidity	10% to 90% (non-condensing)	10% to 90% (non- condensing)	10% to 90% (non-condensing)	10% to 90% (non- condensing)	10% to 90% (non- condensing)	10% to 90% (non- condensing)
MTBF (hr)	655130	989810.8	989810.8	529688.2	529688.2	947736
Acoustic noise	-	-	-	-	24.5dBA on <25degC Operating Temperature 41.5dBA on full FAN speed.	25.3dBA on <25degC Operating Temperature 46.2dBA on full FAN speed.
Certifications						
EMC	FCC Part 15 (Class B) CE EMC (Class B) RCM BSMI	FCC Part 15 (Class B) CE EMC (Class B) BSMI	FCC Part 15 (Class B) CE EMC (Class B) BSMI	FCC Part 15 (Class B) CE EMC (Class B) C-Tick (Class B) BSMI	FCC Part 15 (Class A) CE EMC (Class A) C-Tick (Class A) BSMI	FCC Part 15 (Class A) CE EMC (Class A) C-Tick (Class A) BSMI
Safety	BSMI, UL	LVD (EN60950-1) BSMI	LVD (EN60950- 1), BSMI	LVD (EN60950-1) BSMI	LVD (EN60950-1) BSMI	LVD (EN60950-1), BSMI