



genuscreen Hardware



Model	XL	L	M
Hardware			
Revision	2.0	2.0	2.0
CPU	8 Cores, 3.2 GHz	4 Cores, 3.5 GHz	4 Cores, 2.4 GHz
Memory	32 GB ECC	8 GB ECC	8 GB ECC
Network interfaces min.	4 x 1 Gbit/s	4 x 1 Gbit/s	4 x 1 Gbit/s
Network interfaces max. ¹	16 x 1 Gbit/s	10 x 1 Gbit/s	6 x 1 Gbit/s
Network interfaces 10 Gbit/s max. ²	6 x 1 Gbit/s + 8 x 10 Gbit/s	4 x 1 Gbit/s + 4 x 10 Gbit/s	2 x 1 Gbit/s + 2 x 10 Gbit/s
Flash	250 GB SSD	250 GB SSD	250 GB SSD
DVD-ROM	+	+	+
Graphical	VGA	VGA	VGA
Serial	2	2	2
USB	3.0	3.0	3.0
Smartcard reader	Format ID-1	Format ID-1	Format ID-1
Performance			
Firewall TCP ³	9420 Mbit/s	9420 Mbit/s	9420 Mbit/s
Firewall UDP ⁴	9820 Mbit/s	9760 Mbit/s	9820 Mbit/s
IPsec ⁵	9470 Mbit/s	9380 Mbit/s	9450 Mbit/s
Chassis			
Power supply	2 x 650 W	2 x 300 W	250 W
Power consumption	max. 180 W	max. 160 W	max. 60 W
BTU	max. 613.8 BTU/h	max. 545.6 BTU/h	max. 204.6 BTU/h
Width	430 mm (19")	430 mm (19")	430 mm (19")
Height	88 mm (2 U)	44 mm (1 U)	44 mm (1 U)
Depth	635 mm	635 mm	470 mm
Weight	max. 19 kg	max. 17 kg	max. 12 kg

Environment XL / L / M	Operation	Storage
Voltage XL	100–240 V AC, 50–60 Hz, 8–4 A, connector 2 x IEC-C14	–
Voltage L	100–240 V AC, 50–60 Hz, 5–3 A, connector 2 x IEC-C14	–
Voltage M	100–240 V AC, 50–60 Hz, 4–2 A, connector 1 x IEC-C14	–
Temperature	10–35° C	-20–70° C
Humidity	20–80 % non condensing	10–80 % non condensing
Shock	25 G/2 ms	300 G/2 ms
Vibration	5–500 Hz/0.5 G	0–500 Hz/3 G
Norms	CE	–

¹ Fiber optional

² 10 Gbit/s SFP+, multi- or monomode fiber optic transceiver optional

³ TCP packets: 1448 byte

⁴ UDP packets: 1470 byte

⁵ Transparent IPsec tunnel (AES GCM, sha2-256), packets: UDP 1400 byte, with hardware acceleration (AES-NI)



Model	S	XS
Hardware		
Revision	2.0	2.0
CPU	2 Cores, 1.6 GHz	2 Cores, 1 GHz
Memory	4 GB	2 GB
Network interfaces	4 x 1 Gbit/s	4 x 1 Gbit/s
Flash	16 GB	16 GB
Serial	2	2
USB	2.0	2.0
Smartcard reader	Format ID-1	Format ID-1
Performance		
Firewall TCP ¹	940 Mbit/s	940 Mbit/s
Firewall UDP ²	980 Mbit/s	980 Mbit/s
IPsec UDP	950 Mbit/s ³	250 Mbit/s ⁴
Chassis		
Power supply	40 W	40 W
Power consumption	max. 15 W	max. 15 W
Width	270 mm	270 mm
Height	44 mm (1 U)	44 mm (1 U)
Depth	198 mm	198 mm
Weight	1.8 kg	1.8 kg

Environment S	Operation	Storage
Voltage	90–240 V AC, 60–50 Hz, 1–0.5 A, connector IEC-C14	–
Temperature	0–50° C at 50 % humidity, non condensing	-20–70° C at 50 % humidity, non condensing
Humidity	20–80 % non condensing	10–90 % non condensing
Shock	1 G 11 ms half-sine	10 G 11 ms half-sine
Vibration	5–500 Hz, PSD 0.02 G ² /Hz, 0.5 Grms	5–500 Hz, PSD 0.02 G ² /Hz, 5.0 Grms
Norms	CE	–

Environment XS	Operation	Storage
Voltage	90–240 V AC, 50–60 Hz, 1–0.5 A, connector IEC-C14	–
Temperature	0–50° C at 50 % humidity, non condensing	-20–70° C at 50 % humidity, non condensing
Humidity	20–80 % non condensing	10–90 % non condensing
Shock	1 G 11 ms half-sine	10 G 11 ms half-sine
Vibration	5–500 Hz, PSD 0.02 G ² /Hz, 0.5 Grms	5–500 Hz, PSD 0.02 G ² /Hz, 0.5 Grms
Norms	CE	–

¹ TCP packets: 1448 byte

² UDP packets: 1470 byte

³ Transparent IPsec tunnel (AES GCM, sha2-256), packets: UDP 1400 byte, with hardware acceleration (AES-NI)

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