



# genuscreen Hardware



Model	L	M
<b>Hardware</b>		
Revision	1.0	1.0
CPU	8 Cores, 2.8 GHz	2 Cores, 3.5 GHz
Memory	32 GB ECC	8 GB ECC
Network interfaces min.	4 x 1 Gbit/s <sup>1</sup>	4 x 1 Gbit/s <sup>1</sup>
Network interfaces max.	14 x 1 Gbit/s <sup>1</sup>	10 x 1 Gbit/s <sup>1</sup>
Network interfaces 10 x 1 Gbit/s max. <sup>2</sup>	6 x 1 Gbit/s + 8 x 10 Gbit/s	2 x 1 Gbit/s + 6 x 10 Gbit/s
Flash	128 GB SSD	128 GB SSD
Controller	SAS	SATA
DVD-Rom	+	+
VGA	+	+
Serial	2	2
USB	2.0	2.0
Smartcard reader	Format ID-1	Format ID-1
<b>Performance</b>		
Firewall TCP <sup>3</sup>	5440 Mbit/s	4860 Mbit/s
Firewall UDP <sup>4</sup>	8370 Mbit/s	7790 Mbit/s
IPsec <sup>5</sup>	6050 Mbit/s	3860 Mbit/s
<b>Chassis</b>		
Power supply	2 x 650 W	2 x 650 W
Power consumption	max. 236 W (computed value)	max. 125 W (computed value)
Width	430 mm (19")	430 mm (19")
Height	88 mm (2 U)	88 mm (2 U)
Depth	635 mm	635 mm
Weight	max. 17 kg	max. 17 kg

Environment L / M	Operation	Storage
Voltage	90–264 V AC, 47–63 Hz, 3.5 A/1.5 A, 115 V AC/230 V AC	–
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	0–500 Hz/0.25 G	0–500 Hz/3 G
Norms	CE	–

<sup>1</sup> Fiber optional

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

<sup>3</sup> TCP packets: 1448 byte

<sup>4</sup> UDP packets: 1470 byte

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

<sup>6</sup> Transparent IPsec tunnel (AES, md5), packets: UDP 1400 byte



Model	S	XS
<b>Hardware</b>		
Revision	1.0	1.0
CPU	2 Cores, 1.7 GHz	1 Core, 500 MHz
Memory	2 GB	256 MB
Network interfaces	4 x 1 Gbit/s	3 x 100 Mbit/s
Flash	4 GB	1 GB
Controller	USB	IDE
Serial	1 x RJ45	2
USB	2.0	2.0
Smartcard reader	Format ID-1	Format ID-1
<b>Performance</b>		
Firewall TCP <sup>3</sup>	940 Mbit/s	95 Mbit/s
Firewall UDP <sup>4</sup>	950 Mbit/s	90 Mbit/s
IPsec UDP	920 Mbit/s <sup>5</sup>	80 Mbit/s <sup>6</sup>
<b>Chassis</b>		
Power supply	26.4 W	25 W
Power consumption	max. 30 W	6 W
Width	183 mm	270 mm
Height	42 mm (45.5 mm with rubber feet)	44 mm (1 U)
Depth	250 mm	197.5 mm
Weight	1.2 kg	1.7 kg

Environment S	Operation	Storage
Voltage	100–240 V AC, 50/60 Hz, 0.2–0.1 A	–
Temperature	0–50° C at 50 % humidity, non condensing	-20–70° C at 50 % humidity, non condensing
Humidity	10–90 % non condensing at 40° C	10–80 % non condensing
Shock	1 G 11 ms half-sine	10 G 11 ms half-sine
Vibration	5–500 Hz, PSD 0.02 G <sup>2</sup> /Hz, 0.5 Grms	5–500 Hz, PSD 0.02 G <sup>2</sup> /Hz, 5.0 Grms
Norms	EN 55022 Class B, EN 55024 Class A/B	–

Environment XS	
Voltage	100–240 V AC, 50–60 Hz
Operating temperature	0–50° C
Humidity	20–85 % non condensing
Norms	CE

<sup>3</sup> TCP packets: 1448 byte

<sup>4</sup> UDP packets: 1470 byte

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

<sup>6</sup> Transparent IPsec tunnel (AES, md5), packets: UDP 1400 byte