

## Hardware



### Firewall & VPN Appliance

MODEL	XL	L	M	S	XS
<b>Hardware</b>					
Revision	3.0	3.0	3.0	3.0	2.0
CPU	8 Cores, 3.7 GHz	6 Cores, 3.4 GHz	4 Cores, 2.7 GHz	2 Cores, 2.0 GHz	2 Cores, 1.0 GHz
Memory	32 GB ECC	16 GB ECC	16 GB ECC	4 GB	2 GB
Network interfaces min.	4 x 1 Gbit/s	4 x 1 Gbit/s	4 x 1 Gbit/s	4 x 1 Gbit/s	4 x 1 Gbit/s
Network interfaces max.	16 x 1 Gbit/s	10 x 1 Gbit/s	8 x 1 Gbit/s	6 x 1 Gbit/s <sup>2</sup>	4 x 1 Gbit/s
Network interfaces 10 Gbit/s max.	8 x 1 Gbit/s + 8 x 10 Gbit/s <sup>1</sup>	4 x 1 Gbit/s + 4 x 10 Gbit/s <sup>1</sup>	4 x 1 Gbit/s + 2 x 10 Gbit/s <sup>1</sup>	-	-
Flash Drive	250 GB SSD	250 GB SSD	250 GB SSD	32 GB	16 GB
DVD-ROM Drive	+	+	+	-	-
Graphics Connector	VGA	VGA	VGA	-	-
Serial Ports	2	2	2	2	2
USB Port	3.0	3.0	3.0	3.0	2.0
Smartcard Slot	Format ID-1	Format ID-1	Format ID-1	Format ID-1	Format ID-1
<b>Performance</b>					
Firewall TCP	9510 Mbit/s <sup>3</sup>	9400 Mbit/s <sup>3</sup>	9400 Mbit/s <sup>3</sup>	940 Mbit/s <sup>3</sup>	940 Mbit/s <sup>3</sup>
Firewall UDP	19700 Mbit/s <sup>4</sup>	19590 Mbit/s <sup>4</sup>	19500 Mbit/s <sup>4</sup>	1970 Mbit/s <sup>4</sup>	1970 Mbit/s <sup>4</sup>
IPsec TCP	8630 Mbit/s <sup>5</sup>	8300 Mbit/s <sup>5</sup>	5660 Mbit/s <sup>5</sup>	910 Mbit/s <sup>5</sup>	160 Mbit/s <sup>7</sup>
IPSec UDP	13890 Mbit/s <sup>6</sup>	13510 Mbit/s <sup>6</sup>	10650 Mbit/s <sup>6</sup>	1900 Mbit/s <sup>6</sup>	195 Mbit/s <sup>8</sup>
<b>Chassis</b>					
Power Supply	2 x 650 W	2 x 300 W	250 W	40 W	40 W
Power consumption load	210 W	170 W	60 W	15 W	15 W
BTU/h load	716	580	210	52	51.15
Fixture	19" rackmount	19" rackmount	19" rackmount	19" rackmount optional	19" rackmount optional
Width	430 mm (19")	430 mm (19")	430 mm (19")	270 mm	270 mm
Height	88 mm (2 U)	44 mm (1 U)	44 mm (1 U)	44 mm (1 U)	44 mm (1 U)
Depth	635 mm	635 mm	470 mm	198 mm	198 mm
Weight	13 kg	11 kg	6 kg	1.8 kg	1.8 kg
Weight (incl. Packaging)	19 kg	17 kg	12 kg	3.0 kg	3.0 kg

<sup>1</sup> 1/10 Gbit/s SFP+, multi- or mono-mode fiber optic transceiver optional

<sup>2</sup> 2x 1 Gbit/s multi- or mono-mode fiber optic transceiver optional

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

<sup>4</sup> udp packets: 1500 byte bidirectional

<sup>5</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: TCP 1448 byte, with hardware acceleration (AES-NI)

<sup>6</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: UDP 1400 byte bidirectional, with hardware acceleration (AES-NI)

<sup>7</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: tcp 1448 byte

<sup>8</sup> Transparent IPsec tunnel (AES GCM, sha2-256), packets: udp 1400 byte bidirectional

## Hardware

XL	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	100 - 240 V AC, 60 - 50 Hz, 8 - 4 A, connector 2x 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	-
L	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	100 - 240 V AC, 60 - 50 Hz, 5 - 3 A, connector 2x 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	-
M	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	100 - 240 V AC, 60 - 50 Hz, 4 - 2 A, connector 1x 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	-
S	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	90 - 240 V AC, 60 - 50 Hz, 1 - 0.5 A, connector 1x IEC-C14	-
Temperature	0 - 50 °C at 50 % humidity, non condensing	-20 - 70 °C
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 <sup>2</sup> /Hz, 0.5 Grms	5 - 500 Hz, PSD 0.02 G <sup>2</sup> /Hz, 0.5 Grms
Norms	CE	-
XS	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	90 - 240 V AC, 60 - 50 Hz, 1 - 0.5 A, connector 1x 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 <sup>2</sup> /Hz, 0.5 Grms	5 - 500 Hz, PSD 0.02 G <sup>2</sup> /Hz, 0.5 Grms
Norms	CE	-