

Hardware



Remote Maintenance Solution

MODEL	L	M	S	XS	XSo	XSi
Hardware						
Revision	4.0	4.0	4.0	2.1	3.0	3.0
CPU	6 Cores, 3.5 GHz	6 Cores, 2.3 GHz	2 Cores, 2.0 GHz	2 Cores, 1.58 GHz	2 Cores, 1.1 GHz	2 Cores, 1.08 GHz
Memory	32 GB ECC	32 GB ECC	8 GB	4 GB	4 GB	2 GB
Network interfaces default	4 x 1 Gbit/s RJ45	2 x 1 Gbit/s RJ45 + 2 x 10 Gbit/s RJ45	4 x 1 Gbit/s RJ45	4 x 1 Gbit/s	4 x 1 Gbit/s RJ45	4 x 1 Gbit/s RJ45
Optional network cards	1 x optional network card	1 x optional network card	1 x optional network card	-	-	-
Available network cards	6 x 1 Gbit/s RJ45, 4 x 10 Gbit/s RJ45, 4 x 10 Gbit/s SFP+ ¹	4 x 1 Gbit/s RJ45, 4 x 10 Gbit/s RJ45, 4 x 10 Gbit/s SFP+ ¹	2 x 1 Gbit/s RJ45, 2 x 1 Gbit/s SFP ⁹	-	-	-
Flash Drive	2 x 500 GB SSD	2 x 500 GB SSD	64 GB SSD	16 GB	16 GB	32 GB
RAID level	-	-	-	-	-	-
DVD-ROM Drive	-	-	-	-	-	-
Graphics Connector	VGA	VGA, DVI, 2 x DisplayPort	HDMI	-	HDMI	-
Serial Ports	2	2	2	2	1 x RJ45	2
USB Port	3.0	3.0	3.0	2.0	3.0	2.0
Smartcard Slot	Format ID-1	Format ID-1	Format ID-1	Format ID-1	optional extern	optional extern
Performance						
Firewall TCP	9596 Mbit/s ³	9419 Mbit/s ³	942 Mbit/s ³	940 Mbit/s ³	940 Mbit/s ³	940 Mbit/s ³
Firewall UDP	19665 Mbit/s ⁴	19699 Mbit/s ⁴	1970 Mbit/s ⁴	1970 Mbit/s ⁴	1970 Mbit/s ⁴	1970 Mbit/s ⁴
IPsec TCP	9035 Mbit/s ⁵	6524 Mbit/s ⁵	905 Mbit/s ⁵	160 Mbit/s ⁷	900 Mbit/s ⁵	160 Mbit/s ⁷
IPsec UDP	14408 Mbit/s ⁶	15573 Mbit/s ⁶	1894 Mbit/s ⁶	190 Mbit/s ⁸	1390 Mbit/s ⁶	190 Mbit/s ⁸
Chassis						
Power Supply	2 x 800 W	2 x 300 W	external 65 W	40 W	external 40 W	optional extern
Power consumption load	165 W	120 W	50 W	15 W	15 W	15 W
BTU/h load	563	410	170.5	51.15	51.15	50
Fixture	19" rackmount	19" rackmount	19" rackmount optional	19" rackmount optional	-	DIN rail mount
Width	430 mm (19")	430 mm (19")	270 mm	270 mm	124 mm	50 mm
Height	44 mm (1 U)	44 mm (1 U)	44 mm (1 U)	44 mm (1 U)	19 mm	153 mm
Depth	399 mm	460 mm	198 mm	198 mm	119 mm	110mm/130mm (with Phoenix connector)
Weight	8.1 kg	6 kg	1.8 kg	1.8 kg	0.8 kg	0.9 kg
Weight (incl. Packaging)	10.0 kg	12 kg	2.0 kg	3.0 kg	1.6 kg	1.7 kg

¹ 1/10 Gbit/s SFP+ with optional multi- or mono-mode fiber optic transceiver

⁹ 2 x 1 Gbit/s SFP with optional multi- or mono-mode fiber optic transceiver

³ tcp packets: 1448 byte

⁴ udp packets: 1500 byte bidirectional

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

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

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

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

Hardware

L	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	100 - 240 V AC, 60 - 50 Hz, 5.5 A, connector 2 x IEC-C14	-
Temperature	10 - 35 °C	-40 - 60 °C
Humidity	8 - 90 % non condensing	5 - 95 % non condensing
Shock	20 G: 2 ms	10 - 20 G: 10 ms
Vibration	5 - 200 Hz: 0.25 G	5 - 200 Hz: 0.5 G
Norms	CE, UL, FCC, ICES, COC	-
M	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	100 - 240 V AC, 60 - 50 Hz, 4 - 2 A, connector 2 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	-
S	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	90 - 240 V AC, 63 - 47 Hz, 1.0 A, connector 1 x IEC-C14	-
Temperature	0 - 50 °C	-20 - 60 °C
Humidity	10 - 90 % non condensing	10 - 90 % non condensing
Shock	15 G: 11 ms	25 G: 6 ms
Vibration	2 - 9 Hz: 3,5 mm amplitude, 9 - 200 Hz: 1 G	2 - 9 Hz: 3,5 mm amplitude, 9 - 200 Hz: 1 G
Norms	CE, UL	-
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 ⁹ /Hz, 0.5 Grms	5 - 500 Hz, PSD 0.02 G ⁹ /Hz, 0.5 Grms
Norms	CE	-
XSo	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	90 - 240 V AC, 47 - 63 Hz	-
Temperature	0 - 45 °C at 50 % humidity, non condensing	-20 - 75 °C
Humidity	20-80 % non condensing	10 - 85% (non-condensing)
Shock	1 G 11 ms half-sine	10 G 11 ms half-sine
Vibration	IEC 60068-3-64, 0.5 Grms, Random 5 - 500 Hz, 40 Mins/Axis	IEC 60068-3-64, 0.5 Grms, Random 5 - 500 Hz, 40 Mins/Axis
Norms	CE	-
XSi	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	24 V DC (15 - 36 V DC), min. 0.2 A, max. 1.5 A Not suitable for floating ground operation!	-
Temperature	0 - 60 °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 ⁹ /Hz, 0.5 Grms	5 - 500 Hz, PSD 0.02 G ⁹ /Hz, 0.5 Grms
Norms	CE	-

⁹ tcp relay, packets: TCP 1448 byte