

## Hardware



## Remote Maintenance Solution

MODEL	M	S	XS	XSo	XSi
<b>Hardware</b>					
Revision	3.0	3.0	2.0	2.0	2.0
CPU	4 Cores, 2.7 GHz	2 Cores, 2.0 GHz	2 Cores, 1.0 GHz	2 Cores, 1.0 GHz	2 Cores, 1.0 GHz
Memory	16 GB ECC	4 GB	2 GB	2 GB	2 GB
Network interfaces min.	4 x 1 Gbit/s	4 x 1 Gbit/s	4 x 1 Gbit/s	3 x 1 Gbit/s	4 x 1 Gbit/s
Network interfaces max.	8 x 1 Gbit/s	6 x 1 Gbit/s <sup>2</sup>	4 x 1 Gbit/s	3 x 1 Gbit/s	4 x 1 Gbit/s
Network interfaces 10 Gbit/s max.	4 x 1 Gbit/s + 2 x 10 Gbit/s <sup>1</sup>	-	-	-	-
Flash Drive	250 GB SSD	32 GB	16 GB	8 GB	16 GB
RAID level	1	-	-	-	-
DVD-ROM Drive	+	-	-	-	-
Graphics Connector	VGA	-	-	HDMI	-
Serial Ports	2	2	2	2	2
USB Port	3.0	3.0	2.0	2.0	2.0
Smartcard Slot	Format ID-1	Format ID-1	Format ID-1	optional extern	optional extern
<b>Performance</b>					
Firewall TCP	9400 Mbit/s <sup>3</sup>	940 Mbit/s <sup>3</sup>	940 Mbit/s <sup>3</sup>	940 Mbit/s <sup>3</sup>	940 Mbit/s <sup>3</sup>
Firewall UDP	19500 Mbit/s <sup>4</sup>	1970 Mbit/s <sup>4</sup>	1970 Mbit/s <sup>4</sup>	1970 Mbit/s <sup>4</sup>	1970 Mbit/s <sup>4</sup>
IPsec TCP	5660 Mbit/s <sup>5</sup>	910 Mbit/s <sup>5</sup>	160 Mbit/s <sup>7</sup>	160 Mbit/s <sup>7</sup>	160 Mbit/s <sup>7</sup>
IPSec UDP	10650 Mbit/s <sup>6</sup>	1900 Mbit/s <sup>6</sup>	190 Mbit/s <sup>8</sup>	190 Mbit/s <sup>8</sup>	190 Mbit/s <sup>8</sup>
<b>Chassis</b>					
Power Supply	2x 300 W	40 W	40 W	external 36 W	optional extern
Power consumption load	75 W	15 W	15 W	11 W	15 W
BTU/h load	260	52	51.15	37.51	51.15
Fixture	19" rackmount	19" rackmount optional	19" rackmount optional	-	DIN rail mount
Width	430 mm (19")	270 mm	270 mm	164 mm	153 mm
Height	44 mm (1 U)	44 mm (1 U)	44 mm (1 U)	30 mm	50 mm
Depth	470 mm	198 mm	198 mm	143 mm	110mm/130mm (with Phoenix connector)
Weight	6 kg	1.8 kg	1.8 kg	0.9 kg	0.8 kg
Weight (incl. Packaging)	12 kg	3.0 kg	3.0 kg	2.0 kg	2.1 kg

<sup>1</sup> 1/10 Gbit/s RJ45 or SFP+ with optional multi- or mono-mode fiber optic transceiver

<sup>2</sup> 2x 1 Gbit/s RJ45 or SFP with optional multi- or mono-mode fiber optic transceiver

<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

M	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	-
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	-
XSo	ENVIRONMENT OPERATION	ENVIRONMENT STORAGE
Voltage	90 - 240 V AC, 47 - 63 Hz	-
Temperature	0 - 50 °C at 50 % humidity, non condensing	-20 - 70 °C
Humidity	20-80 % non condensing	5 - 95% (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 (9 - 36 V DC), min. 0.2 A, max. 1.5 A	-
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 <sup>2</sup> /Hz, 0.5 Grms	5 - 500 Hz, PSD 0.02 G <sup>2</sup> /Hz, 0.5 Grms
Norms	CE	-