



STORMSHIELD

STORMSHIELD **NETWORK SECURITY**

Network Extension Modules








Compatibility matrix

Extension module	Reference	SN-S-Series 220 / 320	SN710 / SN910	SN-M-Series 520 / 720 / 920	SN1100
Number of network ports		-	1	1	2
2 ports fiber 10 Gigabit SFP+	NA-EX-CARD-2x10G-FIB (End of Sales)		•		
4 ports fiber 10 Gigabit SFP+	NA-EX-CARD-4x10G-FIB (End of Sales)		•		
4 ports fiber 10 Gigabit SFP+	NA-NW-CARD-4x10G-F		•*	•	•
4 ports fiber 1 Gigabit SFP	NA-EX-CARD-4xG-FIB		•		
8 ports fiber 1 Gigabit SFP	NA-EX-CARD-8xG-FIB		•	•	•
8 ports copper 10x100x1000	NA-EX-CARD-8xG-COP		•	•	•
8 ports copper 100x1000x2500	NA-EX-CARD-8x2_5G-C		•	•	•
4 ports copper 10GBASE-T	NA-EX-CARD-4x10G-COP		•*	•	•
Transceiver					
1 Fiber Gigabit SFP 1000Base-SX (short distance)	NA-TRANS-SFP-SX	•	•	•	•
1 Fiber Gigabit SFP 1000Base-LX (long distance)	NA-TRANS-SFP-LX	•	•	•	•
1 Fiber Dual Speed 1G/10Gigabit-SR/SX SFP+ (short distance)	NA-TRANS-DUALSFP-SR		•	•	•
1 Fiber Dual Speed 1G/10Gigabit-LR/LX SFP+ (long distance)	NA-TRANS-DUALSFP-LR		•	•	•
1 Copper 1000BASE-T, RJ45 over SFP	NA-TRANS-SFP-COPPER	•	•	•	•










*: Requires firmware version 3.7.12 and upwards

Extension module	Reference	SN2100 / SN3100	SN-L-Series	SN6100	SN-XL-Series	SNi40 / SNi20
Number of network ports		3	3	8	8	-
2 ports fiber 40 Gigabit QSFP+	NA-EX-CARD-2x40G-FIB	•				
2 ports fiber 40 Gigabit QSFP+	NC-1-2x40G-QSFP-P		•		•	
2 ports fiber 40 Gigabit QSFP+	NA-SN6K1-EC-2x40G-F			•		
4 ports fiber 10 Gigabit SFP+	NA-NW-CARD-4x10G-F	•				
4 ports fiber 10 Gigabit SFP+	NC-1-4x10G-F-SFP-P		•		•	
4 ports fiber 10 Gigabit SFP+	NA-SN6K1-EC-4x10G-F			•		
4 ports fiber Gigabit SFP	NA-EX-CARD-8xG-FIB	•				
8 ports fiber Gigabit SFP	NC-1-8xG-FIB-SFP		•		•	
8 ports fiber Gigabit SFP	NA-SN6K1-EC-8xG-F			•		
8 ports copper 10x100x1000	NA-EX-CARD-8xG-COP	•				
8 ports copper 10x100x1000	NA-SN6K1-EC-8xG-C			•		
8 ports copper 100x1000x2500	NA-EX-CARD-8x2_5G-C	•				
8 ports copper 100x1000x2500	NC-1-8x2_5G-C		•		•	
4 ports copper 10GBASE-T	NA-EX-CARD-4x10G-COP	•				
4 ports copper 10GBASE-T	NC-1-4x10G-COP		•		•	
4 ports copper 10GBASE-T	NA-SN6K1-EC-4x10G-C			•		
Transceiver						
1 Fiber Gigabit SFP 1000Base-SX (short distance)	NA-TRANS-SFP-SX	•	•	•	•	•
1 Fiber Gigabit SFP 1000Base-LX (long distance)	NA-TRANS-SFP-LX	•	•	•	•	•
1 Fiber Dual Speed 1G/10Gigabit-SR/SX SFP+ (short distance)	NA-TRANS-DUALSFP-SR	•	•	•	•	
1 Fiber Dual Speed 1G/10Gigabit-LR/LX SFP+ (long distance)	NA-TRANS-DUALSFP-LR	•	•	•	•	
1 Fiber 40GBASE-SR4 QSFP+, MPO connector (short distance)	NA-TRANS-QSFP40-MSR	•	•	•	•	
1 Fiber 40GBASE-LR4 QSFP+ (long distance)	NA-TRANS-QSFP40-LR	•	•	•	•	
1 Copper 1000BASE-T, RJ45 over SFP	NA-TRANS-SFP-COPPER	•	•	•	•	•

Copper network modules

	 8x1GbE Copper Module	 8x1GbE Copper Module	 8x2.5GbE Copper Module	 8x2.5GbE Copper Module	 4x10GbE Copper module	 4x10GbE Copper module	 4x10GbE Copper module
Reference	NA-EX-CARD-8xG-COP	NA-SN6K1-EC-8xG-C	NA-EX-CARD-8x2_5G-C	NC-1-8x2_5G-C	NA-EX-CARD-4x10G-COP	NC-1-4x10G-COP	NA-SN6K1-EC-4x10G-C
Ports	8xRJ45	8xRJ45	8xRJ45	8xRJ45	4xRJ45	4xRJ45	4xRJ45
Chipset	2xi350-AM4	2xi350-AM4	8xi226-LM	8x i226-LM	XL710-BM1 + X557-AT4	2x X710-AT2	XL710-BM1 + X557-AT4
Bypass	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Connection	PCIe switch Gen2 up to x8 PEX 8616	PCIe Gen2 2x4	PCIe switch Gen2 up to x8 ASM1824	PCIe switch Gen3 up to x8 ASM2824	PCIe Gen3 x8	PCIe switch Gen3 up to x8 ASM2824	PCIe Gen3 x8
MTBF at 25°C (years)	122.5	1,138.4	1,448.6	813.1	110.3	667.8	1,154.8

Fiber network modules

	 8x1GbE Fiber Module	 8x1GbE Fiber Module	 8x1GbE Fiber Module	 4x10GbE Fiber Module	 4x10GbE Fiber Module	 4x10GbE Fiber Module	 2x40GbE Fiber module	 2x40GbE Fiber module	 2x40GbE Fiber module
Reference	NC-1-8xG-FIB-SFP	NA-EX-CARD-8xG-FIB	NA-SN6K1-EC-8xG-F	NC-1-4x10G-F-SFP-P	NA-NW-CARD-4x10G-F	NA-SN6K1-EC-4x10G-F	NC-1-2x40G-QSFP-P	NA-EX-CARD-2x40G-FIB	NA-SN6K1-EC-2x40G-F
Ports	8xSFP	8xSFP	8xSFP	4xSFP+	4xSFP+	4xSFP+	2xQSFP+	2xQSFP+	2xQSFP+
Chipset	2xi350-AM4	2xi350-AM4	2xi350-AM4	XL710-BM1	XL710-BM1	XL710-AM1	XL710-BM2	XL710-BM2	XL710-AM2
Bypass	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Connection	PCIe switch Gen2 up to x8 ASM1824	PCIe switch Gen2 up to x8 PEX 8616	PCIe Gen2 2x4	PCIe switch Gen2 up to x8	PCIe Gen3 x8	PCIe Gen3 x8	PCIe Gen3 up to x8	PCIe Gen3 x8	PCIe Gen3 x8
MTBF at 25°C (years)	934.4	90.2	1,065.5	1,186.2	122.7	1,317.1	1,029.4	165.1	1,326.0
Compatible transceivers	NA-TRANS-SPF-COPPER NA-TRANS-SFP-SX NA-TRANS-SFP-LX	NA-TRANS-SPF-COPPER NA-TRANS-SFP-SX NA-TRANS-SFP-LX	NA-TRANS-SPF-COPPER NA-TRANS-SFP-SX NA-TRANS-SFP-LX	NA-TRANS-DUALSFP-SR NA-TRANS-DUALSFP-LR	NA-TRANS-DUALSFP-SR NA-TRANS-DUALSFP-LR	NA-TRANS-DUALSFP-SR NA-TRANS-DUALSFP-LR	NA-TRANS-QSFP40-SR NA-TRANS-QSFP40-LR	NA-TRANS-QSFP40-SR NA-TRANS-QSFP40-LR	NA-TRANS-QSFP40-SR NA-TRANS-QSFP40-LR

Network transceivers

Protocol standard	1000Base-T	1000Base-SX	1000Base-LX	10GBase-SR / 1000Base-SX	10GBase-LR / 1000Base-LX	40GBASE-SR4	40GBASE-LR4
Reference	NA-TRANS-SFP-COPPER	NA-TRANS-SFP-SX	NA-TRANS-SFP-LX	NA-TRANS-DUALSFP-SR	NA-TRANS-DUALSFP-LR	NA-TRANS-QSFP40-MSR	NA-TRANS-QSFP40-LR
IEEE standard	802.3ab	802.3z	802.3z	802.3ae/802.3z	802.3ae/802.3z	802.3ba	802.3ba
Module type	SFP	SFP	SFP	SFP+	SFP+	QSFP+	QSFP+
Data link rate (Ethernet)	1Gbps	1Gbps	1Gbps	10/1Gbps	10/1Gbps	40Gbps	40Gbps
Transmission range	100m (category 5e)	300m (62.5/125µm), 500m (50/125µm)	10km (9/125µm)	300m (OM3), 400m (OM4)	10km	100m (OM3), 150m (OM4)	10km
Media	Copper	MMF	SMF	MMF	SMF	MMF	SMF
Wavelength	N/A	850nm	1,310nm	850nm	1,310nm	850nm	1,310nm
Connector type	RJ45	Duplex LC	Duplex LC	Duplex LC	Duplex LC	Single 1x12 MPO	Duplex LC
Power dissipation	1.05W	<500mW	<600mW	<1W	<1W	<1.5W	<3.5W
Operating temperature range	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F	-5 to 70°C -23 to 158°F	-5 to 70°C -23 to 158°F	0 to 70°C 32 to 158°F	0 to 70°C 32 to 158°F
Hot plug	•	•	•	•	•	•	•
Auto negotiation	•	•	•	•	•	•	•
Link status	•	•	•	•	•	•	•
MTBF (years) @40°C	983	695.9	759.8	3,593.4	386.7	536.2	366.3