



## SSE-X3548S/SR Quick Connectivity Sheet

Recommended Port Speed Settings	
<p>The 100G uplink ports can operate at 40G or as 4 x 25G or 4 x 10G ports. When each Cx uplink port is changed to 25G/10G speed, it creates three additional Fx ports for the relevant speed. Use the below commands in interface configuration mode to achieve the desired speed.</p>	
<b>100G</b>	Default speed is 100G with FEC and AN enabled.
<b>40G</b>	Disable AN – “no negotiation” Disable FEC – “no fec” Speed 40G – “speed 40000”
<b>25G</b>	Speed 25G – “speed 25000”. (When split 100G into 4x25G) Recommended to “no fec”, “no neg” for 25G speed.
<b>10G</b>	Speed 10G – “speed 10000” (when splitting QSFP28 port to 4x10G) Disable AN – “no negotiation” Disable FEC – “no fec”
<b>10G</b>	10G Native: Disable AN – “no negotiation” Disable FEC – “no fec”
<b>1G</b>	Disable AN – “no negotiation” Disable FEC – “no fec” Speed 1G – “speed 1000”

Recommended 100G Interface Settings				
The SSE-X3548S/SR uses the default settings of AN: ON and FEC: RS.				
Uplink Partner	Default		Configuration required on SSE-F/X 3548S/SR	Configuration required on Uplink partner
	AN	FEC		
Cisco	ON	ON / Auto	No configuration change required	No configuration change required
Arista	OFF	RS	No configuration change required	Enable AN on the Arista side
Other Supermicro Switches SSE-F/X 3548S/SR	ON	RS	No configuration change required	No configuration change required
SBM-25G-100 and MBM-XEM-100	ON	RS	No configuration change required	No configuration change required
SSE-C3632S/SR (or other 3rd-party switches with Cumulus Linux OS)	OFF	None	Turn AN off Use the “no negotiation” command in the interface mode.	Change FEC mode to RS. <a href="mailto:e.g.cumulus@switch">e.g.cumulus@switch</a> : <code>~# sudo net add interface swp23 link fec rs</code>

The SSE-X3548S/SR supports 3<sup>rd</sup>-party cables and transceivers from reliable vendors that comply with the relevant IEEE standards.

Part Number	Description
CBL-0347L	Twinax copper cable, 1.0M, 10GbE SFP+ TO SFP+
CBL-NTWK-0456	Twinax copper cable, 2.0M, 10GbE SFP+ TO SFP+
CBL-0348L	Twinax copper cable, 3.0M, 10GbE SFP+ TO SFP+
CBL-0349L	Twinax copper cable, 5.0M, 10GbE SFP+ TO SFP+
CBL-NTWK-0942-MQ28C05M	0.5M Ethernet, QSFP28, 100GbE, Passive
CBL-NTWK-0943-SQ28C10M	1.5M Ethernet, QSFP28, 100GbE, Passive
CBL-NTWK-0942-MQ28C10M	2M Ethernet, QSFP28, 100GbE, Passive
CBL-NTWK-0942-MQ28C15M	2.5M Ethernet, QSFP28, 100GbE, Passive
CBL-NTWK-0942-MQ28C20M	3M Ethernet, QSFP28, 100GbE, Passive
CBL-NTWK-0942-MQ28C25M	3M Ethernet, QSFP28, 100GbE, Passive
CBL-NTWK-0942-MQ28C30M	3M Ethernet, QSFP28, 100GbE, Passive
CBL-NTWK-0943-SQ28C30M	1M Ethernet, QSFP28, 100GbE, Passive
AOM-100GbE-SR4-FT	100G transceiver module, 850nm, MMF (100M)
CBL-NTWK-0944-SS28C30M	ETHERNET, QSFP28, 100GbE, PASSIVE, LSZH, 3m
CBL-NTWK-0943-SQ28C50M	ETHERNET, QSFP28, 100GbE, PASSIVE, LSZH, 5m
CBL-NTWK-0719	ETHERNET, 40GbE/QSFP to 4x10GbE/SFP+, PASSIVE, 1M, 30AWG
CBL-NTWK-0720	ETHERNET, 40GbE/QSFP to 4x10GbE/SFP+, PASSIVE, 3M, 30AWG
CBL-NTWK-0721	ETHERNET, 40GbE/QSFP to 4x10GbE/SFP+, PASSIVE, 5M, 25AWG
AOM-AQS-107-B0C2-CX	SFP+ to RJ45 Interface Converter
AOM-TQSFP-79EQDZ-AVG	QSFP+ SR4 ,40GbE & InfiniBand QSFP+ Pluggable Fiber Optics
AOC-E10GSFPSR	SFP+ Transceiver for use with 10GbE fiber cable connections, 850nm, MMF, LC