

STAC-T0 Setup Bill of Material

Device	Brand	Model	FW Revision	Description
Replay/Capture Server	ASUS	ESC4000 G4	Ubuntu 22.04.3 LTS (GNU/Linux 6.2.0-39-generic x86_64)	Server hosting the SolarFlare SFN8542 (replay/capture network adapter) https://www.asus.com/ca-en/commercial-servers-workstations/esc4000-g4/
Replay/Capture network adapter	SolarFlare	SFN8542	- solar_replay version 1.7.0 - solar_capture version 1.7.0	https://www.xilinx.com/content/dam/xilinx/publications/product-briefs/SFN8542-product-brief.pdf
L1 Switch with metawatch timestamp	Arista	7130	Software image version: 0.39.5 Internal build ID: mos-0.39+27 Applications: metawatch-3.8.0, netconf-0.9, nxlinkalias-2.5.3, nxlinktesting-1.0.6 System management controller version: 1.4.0 release-platmicro-1.4+2	L1 switch used for timestamping. https://www.arista.com/en/products/7130l-series
1x2 PLC Singlemode Fiber Optic Splitter	Fibertronics inc.	PLC-1X2	Option : Input LC/UPC Output LC/UPC	https://www.fibertronics.com/1x2-plc-fiber-optic-splitter
MTP Loopback	Fiberstore	LPM-SM-12MTP	N/A	https://www.fs.com/uk/products/76351.html?attribute=49858&id=760106
MTP (MPO) to LC 8 fiber SM breakout cable	Complete Connect	M402-EFLC-08CCA-PSM4-001-A (option 1m, MTP)	N/A	MTP-12 female connector to plug in SUT QSFP

		female, Polarity A)		https://www.completeconnect.co.uk/products/40gbase-plr4-mtp-fibre-singlemode-breakout-cable/#1579882069964-3ed98145-1aa4ea12-82a3b06d-24db2dc9-cb0f
Cisco LR SFP 1310nm, LC connector	Fiberstore	SFP-10GLR-3 1-I	N/A	https://www.fs.com/products/111897.html?attribute=26153&id=1906281
Optical fiber - LC UPC Simplex OS2 Single Mode PVC (OFNR) 2.0mm Tight-Buffered Fiber Optic Patch Cable	Fiberstore	SMLCSX	N/A	https://www.fs.com/uk/products/40435.html?attribute=991&id=1787449

SUT details

Device	Brand	Model	FW Revision	Description
SUT Host	Dell	PowerEdge R7525 - AMD EPYC 7313 16-Core Processor	Ubuntu 22.04.4 LTS (GNU/Linux 5.15.0-101-gene ric x86_64)	Server with the SUT Card.
Ultra-Low Latency Trading platform	AMD	Alveo UL3524	SUT Vendor firmware to be specified later	https://www.xilinx.com/applications/data-center/financial-technology/alveo-ul3524.html
QSFP	Fiberstore	QSFP-PLR4L-40G		QSFP-40G 1310nm MTP/MPO- 12 (Cisco Compatible)