This demonstration is all about about Ethernet. New 400G devices are interoperating with each other over all the mediums you could expect to see Ethernet in (DACs, AOCs, Optics, Backplane) as well as mature ports that would be in the field for years. We also have a glimpse of what’s to come, in the form of Amphenol/TE Connectivity 800G channels driven by Marvell PHY going into Tektronix/Keysight equipment. There are multiple touchpoints of interoperability in every nook and cranny of this fabric; Juniper Networks optics are connecting to Broadcom optics in Cisco Systems, Juniper Networks and Marvell switches through Amphenol, Panduit and TE Connectivity cabling while being driven through by Spirent and Keysight traffic generators and a Teledyne LeCroy protocol analyzer.
PHYSICAL LAYER

Keysight 8040 → TE OSFP 800G MCB Amphenol OSFP 800G MCB → TE Backplane Channel TE 800G OSFP DAC Amphenol 800G OSFP DAC → TE OSFP 800G MCB Amphenol OSFP 800G MCB → Keysight DCA-X

Marvel PHY 888X931.60 Demo Board → TE OSFP 800G MCB → TE 800G OSFP DAC → TE OSFP 800G MCB → Tektronix Scope

Keysight Ixia → Vendor Optic → Tektronix Scope

Vendor Optic → Keysight DCA-M

100GBASE-CR2 PAM4 L1 ANALYSIS DEMO

Spirent

Teledyne

Interconnect Participants

Amphenol
Panduit
TE Connectivity