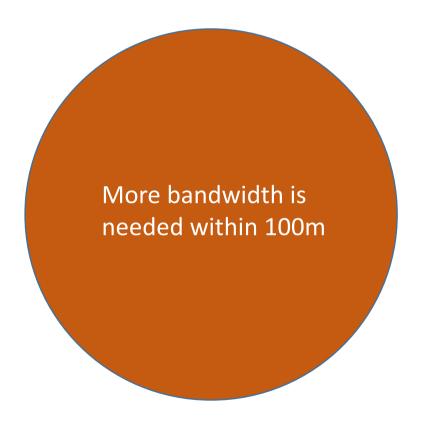


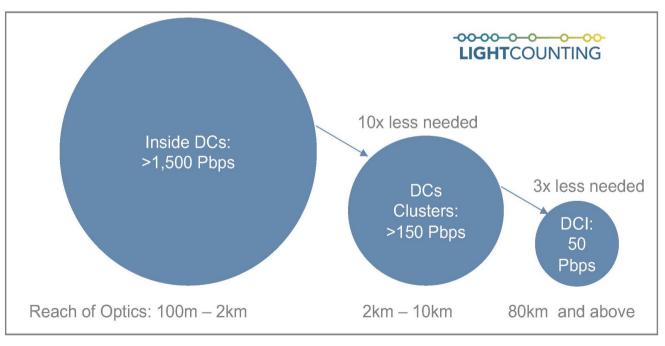
Optical Bandwidth across the Data Center Infrastructure





AOC and SR Optics will occupy ToR, EoR, MoR for data rate at 400G, 800G and beyond



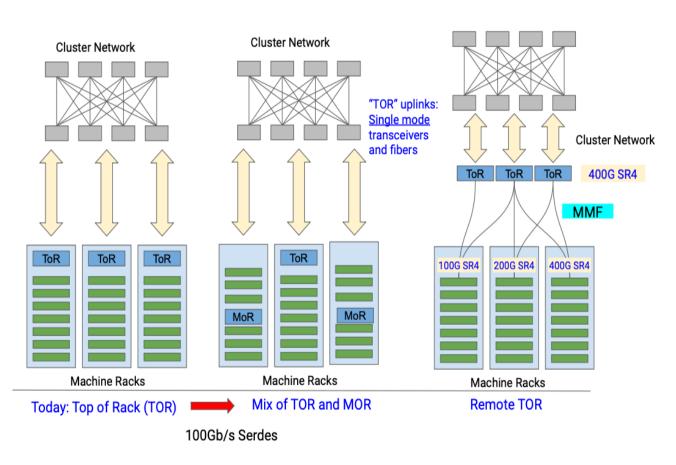


Source: LightCounting Mega Datacenter Optics Report

400G SR4 over 50m OM4 MMF: Paradigm shift from copper to fiber at 100Gbps/ch





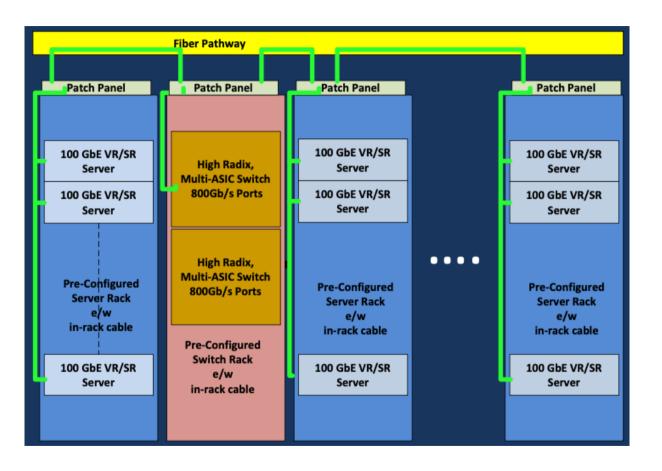


- At 100Gbps per lane
- DAC reach <2m
- Optics reach enabling optimal network structure
- 50m reach (VCSEL) is optimal in
 - Performance
 - Cost
 - Power consumption
 - Lower latency
- Additional benefit of Optics
 - Utilizing all switching port to connect
 - Space saving in high port density
 - Improving air flow convection

8x100G Ethernet EoR/MoR Switch Architecture: MMF Structured Cabling







- Cable attached transceiver (CAT)
 - o OSFP, QSFP-DD
 - o QSFP
 - o SFP

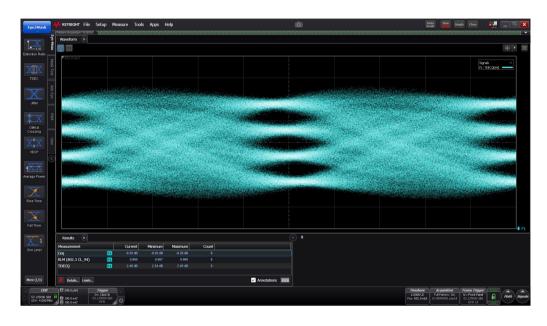


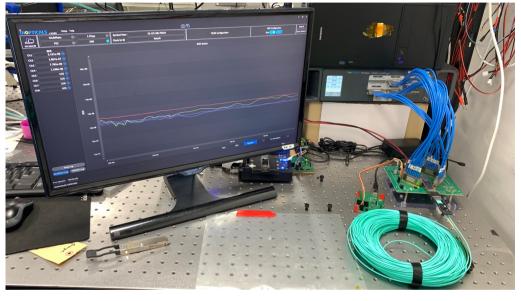
Source: Networking Speeds Beyond 100G, Cabling Installation & Maintenance Webcast Seminar, Sept 8, 2022

PAM4 QSFP112 SR4 with 100m OM3 fiber at ECOC 2022 (booth 712)









Solid optical eye at 106Gbps

Stable BER performance with 100m OM3 fiber link