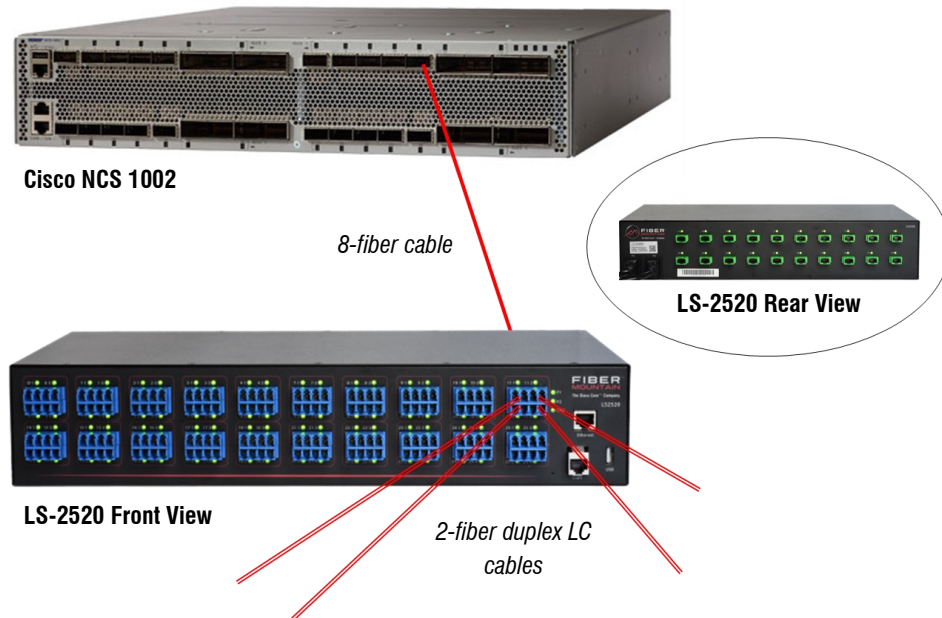


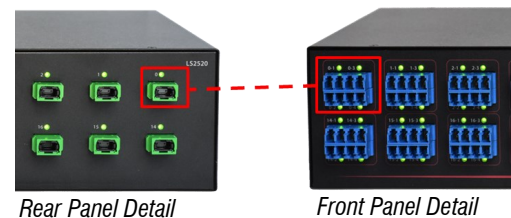
## QSFP Breakout and port mapping for Cisco® NCS 1002

Fiber Mountain's LS-2520 is designed as the ideal fiber breakout interface for the Cisco NCS 1002. The NCS 1002 provides eight DWDM trunk ports and 20 QSFP ports which are able to accept either QSFP+ transceivers for 40 Gbps & 10 Gbps applications or QSFP28 transceivers for 100 Gbps applications. This provides up to 2 Tbps capacity for transport both within and between data centers or Points-of-Presence (PoP).



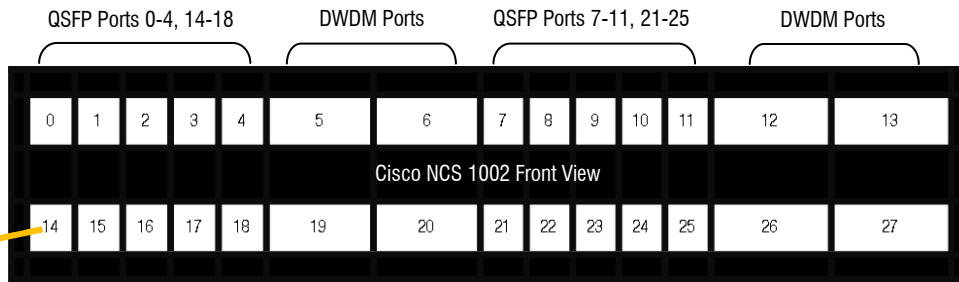
Occupying only two RU, the LS-2520 enables the orderly breakout of all 20 NCS 1002 QSFP ports into 80 duplex single mode LC ports. All ports and labels correspond directly to the NCS 1002 port labeling for simplified installation and ongoing maintenance. Controlled by the NCS 1002, LED indicators are associated with each MPO and duplex LC port. Dual power supplies provide for redundancy, port numbering matched to the NCS 1002 simplifies cable management, and the LED indicators enable technicians to verify port status at a glance. MPO connection cables that go between the Cisco NCS 1002 and the LS-2520 are available from Fiber Mountain in bundles of five, in various lengths. (see *Accessories*)

The rear faceplate MPO ports of the LS-2520 map directly to the front faceplate, terminating into LC adaptors. The front faceplate port numbering is consistent with rear port numbering, mapping each rear MPO connector to a block of four duplex LC ports (eight LC connectors).

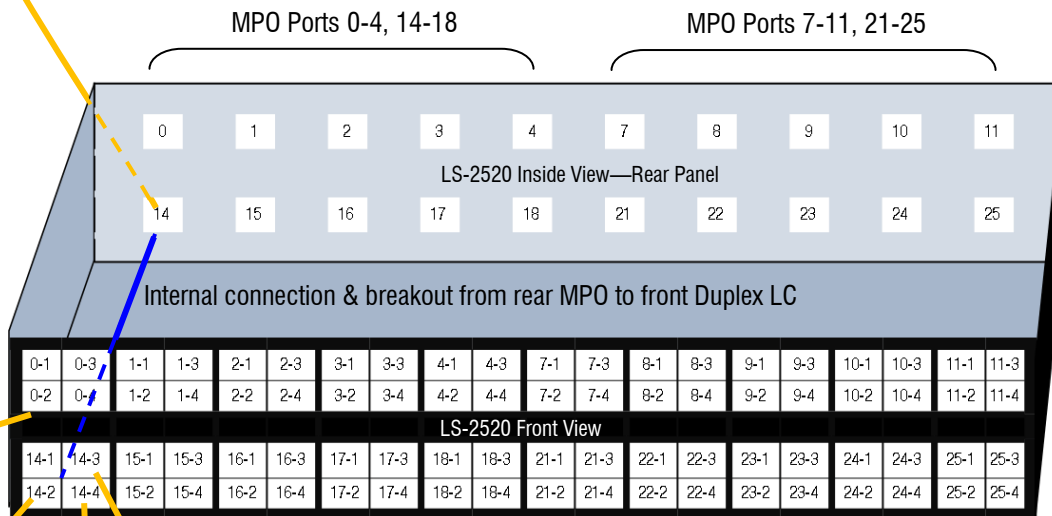


## How to connect LS-2520 with Cisco NCS 1002:

Fiber Mountain’s LS-2520 provides breakout for all 20 of the NCS 1002’s QSFP ports in two RU of space, while maintaining the same port numbering scheme. MPO-MPO cables are used to connect the NCS 1002 QSFP ports to the rear MPO ports of the LS-2520.



Twenty of: OS2 single mode 12-fiber high density Type B cable  
**Fiber Mountain Part Number: FNS12-MF12-MF12-PYC-B0**  
 Bundles of five cables available in standard lengths of 3, 5 or 10 meters  
 Inquire for custom lengths.



Eighty of: OS2 single mode duplex LC-LC, Type A-B cable  
**Fiber Mountain Part Number: FNS02-LCU-LCU-PYC-B0**  
 Bundles of 20 cables available in standard lengths of 5, 10, 15 or 20 meters  
 Inquire for custom lengths

**Contact Fiber Mountain, Inc. to order: Email: [Sales@FiberMountain.com](mailto:Sales@FiberMountain.com) - Phone: 1-800-480-9424**

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