100G QSFP28
Single Lambda Transceiver

Network Distributors provides the highest quality, best in class compatible optical transceivers that are 100% real-world tested in equivalent OEM equipment. Servicing Telecom, Datacenter, and Enterprise markets, our 100G QSFP28 optics offer direct compatibility with your existing switches and routers. Top applications include break out applications for high-speed datacenters, wireless backhaul, and wireline access connections. This form factor offers the lowest power consumption and highest port density among all 100G options.

Technical Specifications

Data Rates and Distances
100G/103 Ethernet
Reach from 500m to 40km

Standards
RoHS compliant, applicable IEEE standard.
All MSA (multi-source agreement) compliant.

Connector(s)
Duplex LC

Additional Highlights
Available in both standard temperature (0 to 70°C) and industrial temperature (-40 to 85C).

Warranty
All transceivers feature a limited lifetime warranty.

Compatibility
Notable OEM platforms supported include: Alcatel/Nokia, Arista, Brocade, Calix, Ciena, Cisco, Ericsson, Juniper, MSA standard and many others. Please contact us at sales@networkdistributors.com if you do not see your OEM here.

Part Number	Wavelength (nm)	Fiber Type	Reach	Max Data Rate	Output Power (dBm)	Receiver Sensitivity (dBm)	Power Supply	Power Dissipation
100G QSFP28 Single Lambda								
QSFP28-100G-DR1	1310	SMF	500m	103G	-2.9/4.0	-3.9	3.3V	4W
QSFP28-100G-FR1	1310	SMF	2km	103G	-2.4/4.0	-4.5	3.3V	4W
QSFP28-100G-LR1	1310	SMF	10km	103G	-1.4/4.5	-6.1	3.3V	4W
QSFP28-100G-ER1	1310	SMF	40km	103G	1.7/7.1	-13.8	3.3V	5.5W