

100G QSFP28 Transceiver

Plugin Optics 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 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 70m to 80km

Standards

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

Connector(s)

Simplex LC, Duplex LC, MPO-12

Additional Highlights

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

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 cx@pluginoptics.com if you do not see your OEM here.

Part Number	Wavelength (nm)	Fiber Type	Reach (km)	Max Data Rate (Gbps)	Output Power (dBm)	Receiver Sensitivity (dBm)	Power Supply (V)	Power Dissipation (W)
100G QSFP28								
QSFP28-SR4-PLO	850	MMF	0.1	103	-8.4/2.4	-5.2	3.3	<2.5
QSFP28-CWDM4-PLO	1310	SMF	2	103	-6.5/2.5	-7.3	3.3	<3.5
QSFP28-PSM4-PLO	1310	SMF	2	103	1/3.5	-9	3.3	<3.5
QSFP28-LR4Lite-PLO	1310	SMF	2	103	-4.3/4.5	-6.8	3.3	<3.5

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QSFP28-LR4-PLO	1310	SMF	10	103	-4.3/4.5	-6.8	3.3	<3.5
QSFP28-LR4-25K-I-PLO	1310	SMF	25	103	-1.3/4.5	-10	3.3	<4.8
QSFP28-ER4-PLO	1310	SMF	40	103	4.9/8.9	-20.9	3.3	5.0
QSFP28-ER4L-PLO	1310	SMF	40	103	0.5/6.5	-16.7	3.3	5.0
QSFP28-ZR4-PLO	1310	SMF	80	103	8/12.5	-28	3.3	6.5
QSFP28-ZR4-LP-PLO	1310	SMF	80	103	8/12.5	-28	3.3	5.5
QSFP28-DR1-PLO	1310	SMF-28	0.5	103	-2.9/4.0	-3.9	3.3	4.0
QSFP28-FR1-PLO	1310	SMF-28	2	103	-2.4/4.0	-4.5	3.3	4.0
QSFP28-LR1-PLO	1310	SMF-28	10	103	-1.4/4.5	-6.1	3.3	4.0
QSFP28-ER1-PLO	1310	SMF-28	40	106	1.7/7.1	-13.8	3.3	5.5
QSFP28-ER1 nWDM-PLO	1295 to 1310	SMF-28	40	106	1.7/7.1	-13.5	3.3	5.5
QSFP28-LR1 BIDI-PLO	1270/1310	SMF-28	40	106	-1.1/4.8	-6.1	3.3	4.5