

Networking

100G ZR QSFP28 DIGITAL COHERENT OPTICS (DCO) TRANSCEIVER



Standard Tx output power (-8dBm), 100GE, C-temp, 0°C to 70°C, SFF-8636

Built around the Coherent Steelerton™ digital signal processor (DSP), the 100G ZR QSFP28-DCO transceiver is fully compliant to the IEEE 802.3™-2022 100GBASE-ZR standard, ensuring interoperability with other solutions. The Steelerton™ DSP is the first purpose-built DSP for 100G ZR applications, optimized for the lowest power dissipation and smallest size.

In the QSFP28 module, the DSP is paired with a highly efficient silicon photonics optical front-end and a power-optimized tunable laser, resulting in a typical module power dissipation of less than 5W. To facilitate deployment in a wide variety of edge network locations, including street cabinets or pole mount enclosures, the 100G ZR QSFP28-DCO module is also offered in a version that supports industrial temperature ranges.

[Contact Sales for Complete Datasheet](#)

Parameter	FTLC3351R3PL1
Description	100G ZR QSFP28 Digital Coherent Optics transceiver, standard Tx output power (-8dBm), 100GE, C-temp, 0°C to 70°C, SFF-8636
Operating Distance	300 km
Data Transfer Rate	100G
Form Factor	QSFP28
Wavelength (by band type)	C-Band 5THz DWDM Tunable
Transmitter Optical Output Power (dBm)	-8dBm
Receiver	coherent
Management Interface	SFF-8636
Low End Case Temperature (°C)	0 °C
High End Case Temperature (°C)	70°C
Transmitter	QPSK
Connector	LC
Media Type	Duplex SMF
Data Rate	100 Gb/s
Diagnostics	digital

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