

# QSFP 100G SR4 850nm QSFP28+

100G SR4 850nm 100Mtr QSFP28+

---

QSFP 100G SR4 850nm QSFP28+

## Variants

100M

## Details

### 100G QSFP28 SR4 Optical Transceiver

This product is a parallel 100 GB/s Quad Small Form-factor Pluggable (QSFP28) optical module. It provides increased port density and total system cost savings. An optical fiber ribbon cable with an MTP/MPO connector can be plugged into the QSFP28 module. Electrical connection is achieved through an MSA-compliant 38-pin edge-type connector. The module operates on a single +3.3V power supply and supports digital diagnostics via a 2-wire serial interface.

## Key Features

Feature	Details
Form Factor	QSFP28 (Hot-pluggable)
Data Rate	103.1 Gb/s Aggregate
Electrical Interface	4 × 25G
Standard	IEEE 802.3bm 100GBASE-SR4
Connector	MTP / MPO
Transmission Distance	Up to 100 m (OM4 MMF)
Diagnostics	SFF-8636 Digital Diagnostics
Compliance	QSFP28 MSA, RoHS-6
Power Supply	+3.3V
Power Consumption	? 2.0 W

## Applications

• Data Center
• Fiber Channel
• Ethernet Switches & Routers

## Electrical & Optical Characteristics

Parameter	Symbol	Min	Typ	Max	Unit	Notes
Power Consumption			2.0		W	
Supply Current	I <sub>cc</sub>		600		mA	
Input Voltage	V <sub>cc</sub>	-0.3		4.0	V	
Input Swing	V <sub>in,pp</sub>	180		1000	mV <sub>pp</sub>	
Tx Wavelength	λ <sub>C</sub>	840	850	860	nm	
Spectral Width	Δλ		0.6		nm	
Tx Power	P <sub>AVG</sub>	-8.4		2.4	dBm	
Extinction Ratio	ER		2		dB	
Rx Sensitivity	S <sub>en</sub>	-10.3			dBm	
Input Saturation	P <sub>sat</sub>			2.4	dBm	

Related Products: 100G QSFP28 LR4 | 100G QSFP28 BIDI 10km | 100G QSFP28 BIDI 20km