

**BRAND NEW & VERIFIED**



**VERIFIED PRODUCT DATASHEET**

# QSFP-100G-ZR4-S

Cisco Network Hardware Specification, Availability and Quote Reference

<b>Product Model</b>	<b>QSFP-100G-ZR4-S</b>
<b>Document Type</b>	<b>Product Datasheet</b>
<b>Condition</b>	<b>Brand New, Original and Verified</b>
<b>Supplier</b>	<b>Layer23-Switch.com</b>

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## QSFP-100G-ZR4-S Datasheet

The Cisco QSFP-100G-ZR4-S datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the QSFP-100G-ZR4-S and integrate it into enterprise or service provider networks with confidence.

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## Key Features

- 80 km Native 100G Ethernet Without Regeneration**  
Supports direct 100G connectivity across metropolitan distances, reducing the need for intermediate amplification or additional transport equipment—helping lower infrastructure complexity and deployment cost.
- Engineered for Metro DCI and Active-DR Architecture**  
Ideal for enterprises running active-active or disaster recovery data centers where stable long-distance throughput and predictable latency are mandatory.
- High-Density 100G Core Deployment**  
QSFP28 form factor enables scalable 100G port density on Cisco aggregation and core switches, maximizing chassis utilization and protecting hardware investment.
- DWDM-Based Optical Transmission Stability**  
Utilizes four LAN-WDM wavelengths to maintain signal integrity over extended single-mode fiber spans, supporting consistent optical performance over long distances.
- Operational Visibility via Digital Optical Monitoring**  
Real-time DOM monitoring allows network engineers to track optical power levels and link health, enabling proactive maintenance and SLA assurance.
- Reduced Compatibility Risk with Genuine Cisco Optics**  
Official Cisco transceiver ensures validated interoperability on supported platforms, minimizing deployment risk in enterprise and service provider networks.

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## Specification

Parameter	Details	Parameter	Details
<b>Form Factor</b>	QSFP28	<b>Ethernet Standard</b>	100GBASE-ZR4
<b>Data Rate</b>	100 Gbps	<b>Maximum Reach</b>	Up to 80 km over SMF
<b>Fiber Type</b>	Single-Mode Fiber (SMF)	<b>Connector Type</b>	Duplex LC
<b>Wavelength</b>	4 × LAN-WDM wavelengths	<b>Digital Optical Monitoring</b>	Supported
<b>Hot Swappable</b>	Yes	<b>Operating Temperature Range</b>	Commercial temperature range
<b>Application</b>	Metro DCI / Enterprise Backbone	<b>Compliance</b>	IEEE 802.3bm
<b>Fiber Mode</b>	Single-mode	<b>Connector Interface</b>	LC duplex

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## Why Layer23-Switch.com

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