

Dell EMC 3CSFP91 Compatible QSFP+ Module - 40GBASE-ER4 - Single Mode Fiber (SMF) - 40GE Gigabit Ethernet QSFP+ - LC 40 km - 1270nm to 1330nm - DDM

**Product ID:** QSFP40GER4ES



<b>100% Dell EMC Compatible. Guaranteed.</b><b> </b></b></b>

The QSFP40GER4ES is a Dell EMC QSFP-40G-ER4 compatible fiber transceiver module that has been designed, programmed and tested to work with Dell EMC brand compatible switches and routers. It delivers dependable 40 GbE connectivity over fiber cable, for 40GBase-ER4Q compliant networks, with a maximum distance of up to 40 km (24.8 mi).

<b><b><b>Technical Specifications:</b></b></b></b>

<b><b><b>• Wavelength:</b> </b></b>1311nm

<b><b><b>• Maximum Data Transfer Rate:</b></b></b> 40 Gbps

<b><b><b>• Type:</b></b></b> Single Mode

<b><b><b>• Connection Type: </b></b></b>LC

<b><b><b>• Maximum Transfer Distance: </b></b></b>40 km (24.8 mi)

<b><b><b>• MTBF:</b></b></b> 8,596,956 hours

<b><b><b>• Power Consumption:</b> </b></b>< 1.6W

<b><b><b>• Digital Diagnostics Monitoring (DDM):</b> </b></b>Yes

This QSFP+ module is hot-swappable making upgrades and replacements seamless by minimizing network disruptions.

<b>StarTech.com SFPs </b></b>

All StarTech.com SFP & SFP+ transceiver modules are backed by a StarTech.com Lifetime Warranty and Free Lifetime Multilingual Technical Support. StarTech.com offers a wide variety of SFP modules and direct-attach SFP Cables, providing the dependability and reliability you need to ensure consistent network performance.

## Certifications, Reports and Compatibility

## Applications

## Features

- **100% Dell EMC 3CSFP91 COMPATIBLE:** Designed, programmed and tested to work with compatible Dell EMC switches and routers to deliver dependable 40GbE connectivity
- **TECHNICAL SPECS:** 40GBASE-ER4 40 Gbps Single Mode LC Connector 1270nm to 1330nm Digital Diagnostic Monitoring (DDM) Distances up to 40 km (24.9 mi)
- **TESTED FOR OEM HOST COMPATIBILITY:** Hot-swappable in Dell EMC routers and switches; DDM support reports the transceiver's status to most SNMP network management tools
- **LIFETIME WARRANTY:** Backed by a lifetime warranty on the life of the module itself - not the life of your switch. Our modules won't void your OEM warranty and supported by our Tech Advisors 5/24
- **WORKS WITH MSA COMPLIANT SWITCHES:** Also works with switch models from Ubiquiti, D-Link, Netgear, Supermicro, TP-Link and more that accept uncoded modules

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### Hardware

Warranty	Lifetime
Compatible Brand	Dell EMC
Industry Standards	IEEE 802.3ba 40GBASE-ER4Q

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### Performance

Maximum Data Transfer Rate	40.00 Gbps
Max Transfer Distance	40 km (24.8 mi)
Type	Single Mode
Wavelength	1270nm to 1330nm
Fiber Operating Mode	Full-Duplex
DDM	Yes



Compatible Networks	40 Gbps
MTBF	1,400,000 hours
Power Consumption (In Watts)	< 3.5W

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**Connector(s)**

Connector A	SFP Slot
Connector B	Fiber Optic LC Duplex

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**Environmental**

Operating Temperature	0C - 70C
Storage Temperature	-40C - 85C
Humidity	0 - 85%

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**Physical Characteristics**

Product Length	0.5 in [13.9 mm]
Product Width	2.3 in [58.4 mm]
Product Height	0.5 in [12.6 mm]
Weight of Product	1.4 oz [40 g]

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**Packaging Information**

Package Length	8.1 in [20.5 cm]
Package Width	4.7 in [12 cm]
Package Height	13.8 in [35 cm]
Shipping (Package) Weight	2.1 oz [60 g]

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**What's in the Box**

Included in Package	QSFP+ Transceiver
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*\*Product appearance and specifications are subject to change without notice.*

