

MSA Uncoded QSFP Module, 100Gbps Single Mode Fiber (SMF), 10km [6.2mi], LC Transceiver, 1310nm

Product ID: QSFP-100G-LR4-S-UST



Deploy longreach 100G links with confidence using an uncoded QSFP transceiver designed for stable operation within a commercial temperature range (0C to 70C). Operating over singlemode fiber at 1310nm, it supports distances up to 10km (6.2mi) and delivers consistent performance across data centers, telecom rooms, and enterprise edge deployments..

Ensure seamless integration across multivendor networks with an MSAcompliant, vendoragnostic QSFP module that works with switches and routers supporting uncoded optics. Each unit is individually tested and validated prior to shipment, helping minimize deployment risk and ensure dependable operation within commercial temperature conditions.

Ideal for data centers, remote cabinets, and enterprise edge deployments, this QSFP transceiver enables robust longreach fiber connectivity while maintaining flexibility across evolving network platforms, supporting scalable and reliable 100G infrastructure.

Certifications, Reports and Compatibility

Applications

- Deploy high-speed fiber connectivity across industrial sites, outdoor enclosures, and edge locations where environmental conditions demand greater module stability
- Standardize deployments across MSA-compliant switches and routers to simplify multi-vendor networks and reduce spare part complexity
- Scale fiber connectivity in data center and edge compute environments supporting high-density switching and growing bandwidth demands

Features

- **Build Reliable 100G Backbone Links Up to 10km**: MSA compliant QSFP LR4 module delivers stable 100G connectivity over single-mode fiber, ideal for data center interconnects, campus networks, and long-distance core links that demand consistent throughput
- **Monitor Optical Performance**: QSFP LR4 transceiver (1310nm) supports (6.2mi) single-mode connectivity and includes Digital Diagnostic Monitoring (DDM) to provide real-time visibility into optical power, temperature, and module health
- **Reduce Vendor Lock-In in 100G Network Deployments**: Ensure predictable interoperability with MSA compliant switches and routers using an uncoded QSFP module, simplifying integration across multi-vendor enterprise networks
- **Minimize Downtime and Costs**: Each transceiver is individually calibrated, temperature-tested, and validated before shipment to confirm performance and reliability, helping reduce failures, simplify troubleshooting, and ensure stable long-reach operation
- **The IT Pro's Choice**: Our SFP modules are engineered for dependable network performance in enterprise, campus, and data center environments; Tested for seamless interoperability and backed by free lifetime 24/5 multi-lingual technical assistance

Hardware

Warranty	1 Year
Compatible Brand	MSA Compliant
Industry Standards	IEEE 802.3ba 100GBASE-LR4

Performance

Max Transfer Distance	10 km (6.2 mi)
Type	Single Mode
Wavelength	1310nm
Fiber Operating Mode	Full-Duplex
DDM	Yes
Compatible Networks	100 Gbps
MTBF	3083849 hours
Power Consumption (In Watts)	4.5W

Environmental

Operating Temperature 0C to 70C (32F to 158F)

Physical Characteristics

Color	Silver
Product Length	4.6 in [117.8 mm]
Product Width	0.7 in [18.4 mm]
Product Height	0.5 in [12.6 mm]
Weight of Product	4.9 oz [140 g]

Packaging Information

Package Length	5.0 in [12.7 cm]
Package Width	7.1 in [18.0 cm]
Package Height	1.9 in [4.8 cm]
Shipping (Package) Weight	14.8 oz [420.0 g]

What's in the Box

Included in Package	1 - QSFP Transceiver
	1 - Product Documentation

****Product appearance and specifications are subject to change without notice.***