MSA Uncoded QSFP28 Module, 100Gbps Single Mode Fiber (SMF), 10km [6.2mi], LC Transceiver

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



Deploy longreach 100G links with confidence using an uncoded QSFP28 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 QSFP28 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 QSFP28 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 QSFP28 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: QSFP28 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

General		
	UPC	065030925587
	Warranty	1 Year
Power		
	Power Consumption	4.5W
Physical & Environmental		
	Color	Silver
	Product Length	4.6 in [11.8 cm]
	Product Width	0.7 in [18.4 mm]
	Product Height	0.5 in [12.6 mm]
	Weight of Product	4.9 oz [140 g]
	Operating Temperature	0C to 70C (32F to 158F)
Performance		

	Max Transfer Distance	10 km (6.2 mi)
	Fiber Type	Single Mode
	Wavelength	1310nm
	Fiber Operating Mode	Full-Duplex
	Digitial Diagnostics Monitoring Support	Yes
	Compatible Networks	100 Gbps
	MTBF	3083849 hours
Hardware		
	Compatible Brand	MSA Compliant
	Industry Standards	IEEE 802.3ba 100GBASE-LR4
Packaging & In-the-Box		
	Included in Package	1 - QSFP Transceiver
		1 - Product Documentation
	Package Width	5.0 in [12.7 cm]
	Package Depth	7.1 in [18 cm]
	Package Height	1.9 in [48 mm]
	Shipping (Package) Weight	14.8 oz [420 g]

Product appearance and specifications are subject to change without notice.