



**THE DATASHEET OF  
QLX4000CQSFP1028**



## QSFP Active Copper Cable

Quellan's Active QSFP copper cables fill the expanding need for cost effective data center interconnects that cannot be served with passive copper or expensive fiber optic solutions. Quellan's unique low power silicon provides the additional benefit of consuming 50-75% less power than optical interconnects. When systems are optimized to operate with active copper cables, the end-to-end interconnect consumes significantly less power and emits less EMI than passive copper based systems that require the use of EDC hosts.

### ACTIVE CABLE BENEFITS

- Increases copper cable reach 3-5x
- 80% power reduction over short reach fiber optic cables
- Significant reduction in data center operating expenses
- Extends passive cable signal reach by 3x
- Thinner gauge cables vs passive solutions
- Lowest total system power solution
- Lowest total system EMI solution
- Lower cost and more reliable than optics

### APPLICATIONS

Infiniband (QDR, DDR, SDR)

10G/40G Ethernet

Proprietary High-Speed Interconnects

### QSFP ACTIVE CABLE CHARACTERISTICS

Size	Diameter (inches)	Max. Reach @ 10 Gbps
24	.365	15 meters
28	.276	10 meters
32	.165	5 meters

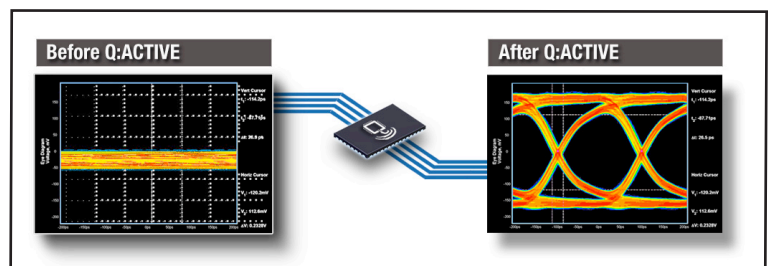
### QSFP ACTIVE CABLE PART NUMBERS

Part Number	Reach	Gauge	Protocol
QLX4000CQSFP0532	5 meters	32AWG	QDR
QLX4000CQSFP1028	10 meters	28AWG	QDR
QLX4000CQSFP1524	15 meters	24AWG	QDR
QLX600CQSFP0532	5 meters	32AWG	DDR
QLX600CQSFP1028	10 meters	28AWG	DDR
QLX600CQSFP1524	15 meters	24AWG	DDR



### FEATURES

- Lengths up to 25 meters
- Supports four lanes of data at 11.1 Gbps
- Low power, low latency analog circuitry
- Compliant with SFF-8436
- Compliant with Infiniband Architecture Spec
- RoHS Complaint, Lead Free Technology
- Operates with both Linear and Limiting Host Interfaces



Q:Active® Cable Technology opens the "signal eye" maximizing reach

For more information please call 408-774-0084 or visit the web at [www.quellan.com](http://www.quellan.com)

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**QUELLAN**  
MORE SIGNAL | LESS NOISE®

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