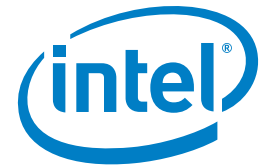


PRODUCT BRIEF

Intel® Ethernet QSFP+ Cables
Network Connectivity



Intel® Ethernet QSFP+ Cables

QSFP+ Passive Copper Cables for Intel® Ethernet Converged Network Adapters



Key Features

- 1m (3.3 ft), 3m (9.8 ft), and 5m (16.4 ft) QSFP+ 40GbE direct attach passive copper cables
- QSFP+ Direct Attach cables offer a highly cost effective way to connect within racks and across adjacent racks
- Fully compatible with Intel® Ethernet Converged Network Adapters
- Supports 10-Gigabit Ethernet and 802.3ba 40-Gigabit Ethernet standards
- QSFP+ MSA (Multi-Source-Agreement) compliant
- QSFP+ to QSFP+ 30 AWG SFF-8436 compliant cable and connector design
- Zinc die-cast SFP+ and QSFP+ connectors with pull-to-release latching
- Low cross-talk and pair-to-pair skew maintains signal integrity
- 3x the port density of standard SFP+ product – saves rack space and power
- Reduced power budget and lower port cost compared to optical solutions
- Conforms to environmental standards as described in the Product Environment Content Report
- One year warranty

Overview

Intel offers Intel® Ethernet QSFP+ passive copper cables for customers who would like to deploy Intel® Ethernet Converged Network Adapters with a QSFP+ direct attach cable. Intel® Ethernet Converged Network Adapters with QSFP+ connectivity deliver proven, reliable solutions for deployments of high density Ethernet for unified 10GbE network connections. These QSFP+ adapters use the latest PCI Express* v3.0 bus technology for maximum bandwidth and address the increasing capability of the latest Intel® Xeon* processor E5/E7 based platforms.

Intel® Ethernet QSFP+ Twinaxial Cables are 40GBASE-CR4 802.3ba qualified passive copper cables that provide next generation performance by combining four 10Gb/s SFP+ channels into one affordable high-density QSFP+ package.

Intel® Ethernet QSFP+ Breakout Cables offer IT professionals a cost-effective interconnect solution for merging 40GbE QSFP+ and 10GbE SFP+ adapters, switches, and servers. Each cable features a single QSFP+ connector (SFF-8436) rated for 40-Gbps on one and (4) SFP+ connectors (SFF-8431), each rated for 10-Gbps, on the other. This cable type allows customers to bridge the gap between 10GbE and 40GbE cables, switches and adapters, and economically links a QSFP+ port with an upstream 10GbE SFP+ switch.

Intel® Ethernet QSFP+ Cables provide a high density, high bandwidth solution at low cost and reduced power budget. Available in 1 meter, 3 meter, and 5 meter lengths, both cable types are fully compliant with MSA standards. Customers can move efficiently to 40GbE for high

bandwidth application requirements such as content distribution, high-end virtualization using multiple CPUs, network appliances, and Applications Delivery Controllers (ADC) used for content caching, load balancing, and compression. To ensure maximum flexibility, Intel supports the ability to use any combination of Intel® Ethernet QSFP+ Optic, Intel® Ethernet QSFP+ Twinaxial Cable, or Intel® Ethernet QSFP+ Breakout Cable.

This enables customers to create the configuration that best meets the needs of their data center environment, while ensuring compatibility between adapter and accessories.

Product Codes

Cable Length	Intel® Ethernet QSFP+ Twinaxial Cables	Intel® Ethernet QSFP+ Breakout Cables
1 Meter	XLDACBL1	X4DACBL1
3 Meters	XLDACBL3	X4DACBL3
5 Meters	XLDACBL5	X4DACBL5

Intel® Ethernet QSFP+ Optics Product Codes

Configuration	Code
Intel® Ethernet QSFP+ SR Optic	E40GQSFP5R
Intel® Ethernet QSFP+ LR Optic	E40GQSFP5L

Compatible Intel® Ethernet Converged Network Adapter Product Codes

Configuration	No. of Ports	Single Pack	Bulk 5 Pack
Intel® Ethernet Converged Network Adapter X520-QDA1	1	X520QDA1	
Intel® Ethernet Converged Network Adapter XL710-QDA1	1	XL710QDA1	XL710QDA1BLK
Intel® Ethernet Converged Network Adapter XL710-QDA2	2	XL710QDA2	XL710QDA2BLK

Customer Support

Intel® Customer Support Services offers a broad selection of programs including phone support and warranty service.

For more information, contact us at www.intel.com/support.

(Service and availability may vary by country.)

For Product Information

To speak to a customer service representative regarding Intel products, please call 1-800-538-3373 (U.S. and Canada) or visit www.intel.com/support/feedback.htm for the telephone number in your area. For additional product information on Intel® Ethernet products, visit www.intel.com/go/ethernet.

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