intel®

Server Optical Transceivers

Intel® Ethernet Optics for Servers

Intel® Ethernet products deliver a reliable out-of-the box experience, and proven interoperability for your current and future networking infrastructure.

Offering 10GbE, 25GbE, 40GbE, and 100GbE dual-speed optical transceivers, customers with high-bandwidth applications can seamlessly transition servers to higher speeds.

Intel® Ethernet QSFP28 Optic

Intel® Ethernet QSFP28 Optics deliver high-performing computing interconnect for deployments of 100GbE. When used with Intel® Ethernet Network Adapters with QSFP28 connectivity, these optics provide interoperability and secure connections for virtualization, high-speed networking, and consistently reliable performance. Extended case operating temperature allows for system flexibility to support a range of requirements.

Form Factor	Speed	Range	Product Order Code	MM#
QSFP28	25/100GbE	Short range (extended temp)	E100GQSFP28SRX	983849
QSFP28	100GbE	Long range (extended temp)	E100GQSFP28LRX*	999J7F

*Use with single port Intel Ethernet 800 Series Network Adapters

Intel® Ethernet QSFP+ Optics

These high-density 40/10GbE optics support high-bandwidth application requirements such as, content distribution, high end virtualization using multiple CPUs, network appliances, and Applications Delivery Controllers (ADCs) used for content caching, load balancing, and compression. Also, when these optics are used with Intel® Ethernet Converged Network Adapter XL710 (single or dual port), they support 40GbE or 4x10GbE mode for four 10GBASE-SR or 10GBASE-LR optical interfaces.

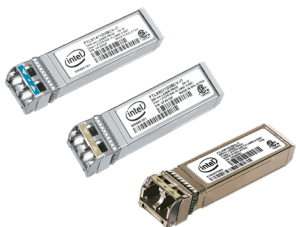| Form Factor	Speed	Range	Product Order Code	MM#
QSFP+ SR	40/10GbE	Short range	E40GQSFPSR	933911
QSFP+ LR	40/10GbE	Long range	E40GQSFPLR	933912

Intel® Ethernet SFP28 Optics

Intel® Ethernet SFP28 Optics are an excellent choice for high-speed communications equipment where extraordinary performance and reliability are essential. These hot-pluggable optical modules consume low-power and are offered in the extended temperature range. When used with Intel® Ethernet Network Adapters with SFP28 connectivity, these optics provide more secure connections for virtualization, flexibility for LAN and SAN networking, and consistently reliable performance.

Form Factor	Speed	Range	Product Order Code	MM#
SFP28 SR	10/25GbE	Short range	E25GSFP28SR	952293
SFP28 SRX	25GbE	Short range (extended temp)	E25GSFP28SRX	958873
SFP28 LR	25GbE	Long range (extended temp)	E25GSFP28LRX	986474

Intel® Ethernet SFP+ Optics

When used with Intel® Ethernet Network Adapters, these SFP+ optics offer dependable interoperability and consistent performance across the network. The commercial temperature transceivers extend customer flexibility further with support for both 10GbE and 1GbE network speeds. These optics are smaller, use less power, and have a longer reach compared to copper media options. The versatility provided through reach and range enables customers to create networking configurations that best meet the needs of their data centers.

Form Factor	Speed	Range	Product Order Code	MM#
SFP+ SR	10/1GbE	Short range	E10GSFPSR	903239
SFP+ SR	10GbE	Short range (extended temp)	E10GSFPSRX	954746
SFP+ LR	10/1GbE	Long range	E10GSFPLR	903240