

Intel® Ethernet Network Adapters for Open Compute Project*

WHY INTEL® ETHERNET?

Driving continuous innovation for more than 35 years, Intel® Ethernet products deliver a reliable out-of-the-box experience and proven interoperability for your current and future networking infrastructure.

Customers say **it just works**.
Here's why:

High compatibility and broad interoperability

- Fully tested network adapters and accessories (optics and cables)
- Thoroughly validated hardware and software across server and networking ecosystem
- Supports a broad selection of operating systems

Ease of use

- Works out of the box
- Automatic and highly optimized configuration setups
- Delivers the right traffic to the right VM with 128 perfect match filters

Performance assurance

- Optimized for Intel® architecture and broad OSV ecosystem
- Scales with CPU technology and leverages intelligent hardware offloads, network virtualization, and fast packet processing via Data Plane Development Kit (DPDK)

Worldwide product support

- World-class pre- and post-sales support provides convenient accessibility for customers
- Adheres to global regulatory, environmental, and market requirements
- Long product lifecycle support


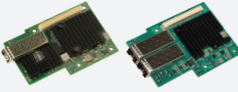


Broad product and accessory selection

- Supports all speeds (1/10/25/40GbE) and media types (BASE-T, Fiber, SFP+, QSFP+, SFP28, QSFP28, KR, XAUI)
- Available in many different form factors: discrete controller, Intel® SoCs, and add-in cards (PCIe*, OCP, and custom form factors)

MAKE THE CONNECTION WITH INTEL® ETHERNET ADAPTERS

Intel® Ethernet Adapters for OCP*

Open Compute Project* (OCP) is an industry initiative that uses a minimalist approach to system design, allowing data centers to scale out more effectively while reducing complexity and cost. With 10/25/40 Gigabit Intel® Ethernet Network Adapters for OCP, Intel continues to drive innovation in the OCP community by delivering ultimate flexibility and scalability for cloud deployments.

Brand Name	Design	Connector & Cable Medium	Intel® Ethernet Controller	Slot Type, Maximum Bus Speed & Slot Width	Connection Speed	Ports	Network Virtualization Acceleration	Order Codes
 Intel® Ethernet Server Adapter XL710 for OCP	OCP Spec. v2.0 Type 1	QSFP+ Direct Attach Copper Twinaxial 40GBASE-SR and -LR Physical Media	XL710	PCI Express* v3.0 8.0GT/s, x8 Lanes	10/40GbE	Single and Dual Port	Multi-Queue and Stateless Offloads for VXLAN-GPE with NSH, NVGRE, GENEVE, MPLS	XL710QDA1OCP XL710QDA2OCP
 Intel® Ethernet Network Adapter XXV710 for OCP	OCP Spec. v2.0 Type 1 and Type 2	SFP28 Direct Attach Copper Twinaxial 25GBASE-SR, -SRX, and -LR Physical Media	XL710 (Single) XXV710 (Dual)	PCI Express* v3.0 8.0GT/s, x8 Lanes	1/10/25GbE	Single ¹ and Dual Port	Multi-Queue and Stateless Offloads for VXLAN-GPE with NSH, NVGRE, GENEVE, MPLS	Type 1: XXV710DA1OCP (Single) XXV710DA2OCP1 (Dual) Type 2: XXV710DA2OCP2 (Dual)
 Intel® Ethernet Server Adapter X710 for OCP	OCP Spec. v2.0 Type 1 and Type 2	SFP+ Direct Attach Copper Twinaxial 10GBASE-SR, -SRX, and -LR Physical Media	X710	PCI Express* v3.0 8.0GT/s, x8 Lanes	1/10GbE	Dual Port	Multi-Queue and Stateless Offloads for VXLAN-GPE with NSH, NVGRE, GENEVE, MPLS	Type 1: X710DA2OCP1 Type 2: X710DA2OCP
 Intel® Ethernet Server Adapter X520 for OCP	OCP Spec. v2.0 Type 1	SFP+ Direct Attach Copper Twinaxial 10GBASE-SR, -SRX, and -LR Physical Media	82599E5	PCI Express* v2.0 5.0GT/s, x8 Lanes	1/10GbE	Single and Dual Port	RSS for UDP for VXLAN	X520DA1OCP X520DA2OCP X520DA10CPG2P5 X520DA20CPG2P5

1. Single port supports Type 1 only.

For a reliable out-of-the-box experience, easy installation, and trusted connectivity, make the connection with Intel® Ethernet Adapters for OCP.



Connect with us at intel.com/ethernet

Cost reduction scenarios described are intended as examples of how a given Intel-based product, in the specified circumstances and configurations, may affect future costs and provide cost savings. Circumstances will vary. Intel does not guarantee any costs or cost reduction.

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