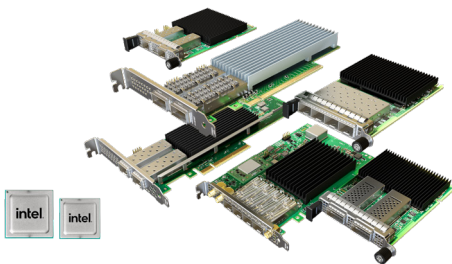


# 1 to 100 GbE for OCP



## Introducing the Intel® Ethernet 800 Series



Intel® Ethernet 800 Series Network Adapters for OCP 3.0 support speeds up to 100Gbps and include innovative and versatile capabilities to optimize workload performance.

### Performance for Cloud Applications

Delivers the bandwidth and increased application throughput required for demanding cloud workloads including edge services, web servers, database applications, caching servers, and storage targets.

### Optimizations for Communications Workloads

Provides packet classification and sorting optimizations for high-bandwidth network and communications workloads, including mobile core, 5G RAN, and network appliances.

### Supports Hyperconverged Solutions

The 800 Series broad portfolio of adapters, with different port counts and form factors, delivers performance with efficient use of server processors.

## Why Intel® Ethernet

Intel's extensive product selection, from 1GbE to 200GbE, supports a variety of form factors (PCIe and OCP network adapters, ASIC controllers and SOCs) and media types (BASE-T, Fiber, SFP+, QSFP+, SFP28, QSFP28, QSFP56, KR and XAUI), as well as open platform initiatives like OCP, DPDK, OFED, and ORAN.

The Intel Ethernet portfolio, with its supported open-platform initiatives, offers a wide range of data center solutions and continues to evolve with reliable off-the-shelf components to address any system size or budget.

### Compatibility and interoperability

- Extensive conformance testing to IEEE and Ethernet Technology Consortium standards
- Comprehensive operating system and hypervisor support
- Broad network interoperability testing for best-in-class compatibility

### Performance assurance

- Validated on all x86 architectures and optimized for Intel® architecture
- Security protocols and management to ensure data integrity
- Scales with CPU cores and technologies







### Worldwide product support

- Industry-leading limited lifetime warranty\*
- World-class pre- and post-product support
- Adherence to global regulatory, environmental, and market requirements

# Intel® Ethernet Network Adapters for OCP 3.0

## Small Form Factor

Improve application efficiency and network performance with innovative and versatile capabilities that optimize high-performance server workloads such as NFV, storage, HPC-AI, and hybrid cloud.

Adapter Series	Product	Connection	Cabling Type and Range	Speed	Ports	Order Codes*
800	 E810-CQDA1 and -CQDA2 for OCP 3.0	QSFP28	DAC: up to 5 m SMF: up to 10 km MMF: up to 100 m	100/50/25/10GbE	Single and Dual	E810CQDA1OCPV3, E810CQDA2OCPV3
800	 E810-XXVDA2 for OCP 3.0	SFP28	DAC: up to 5 m SMF: up to 10 km MMF: up to 100 m	25/10GbE	Dual	E810XXVDA2OCPV3
800	 E810-XXVDA4 for OCP 3.0	SFP28	DAC: up to 5 m SMF: up to 10 km MMF: up to 100 m	25/10GbE	Quad	E810XXVDA4OCPV3
700	 X710-T2L and -T4L for OCP 3.0	RJ45	CAT6 up to 55 m CAT6A or better up to 100 m	10/1GbE	Dual and Quad	X710T2LOCPV3, X710T4LOCPV3
700	 X710-DA2 and -DA4 for OCP 3.0	SFP+	DAC: 25GbE up to 5 m with RS FEC, up to 3 m with no FEC DAC: 10GbE up to 15 m SMF: up to 10 km MMF: up to 70 m (OM3), up to 100 m (OM4)	10/1GbE	Quad	X710DA2OCPV3G1P, X710DA4OCPV3G1P
1GbE	 I350-T4 for OCP 3.0	RJ45	CAT6 up to 55 m CAT6A or better up to 100 m	10/1GbE, 100MB	Quad	I350T4OCPV3G1P5

DAC - direct attach copper, SMF - single-mode fiber, MMF - multi-mode fiber

## Move data faster with Intel® Ethernet products

Learn more about Intel Ethernet Products and Technologies at [intel.com/ethernet](https://www.intel.com/ethernet)

\*Interlock faceplate SKU also available on request.

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