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.

Move Data Faster
Intel’s evolving Ethernet product portfolio consistently delivers a reliable experience and proven interoperability. Whether migrating from 1 to 10GBASE-T, or from 1 to 100Gbps, Intel Ethernet Products and technologies help move data faster.

Compatibility and interoperability
• Extensive conformance testing to IEEE and Ethernet Technology Consortium standards
• Broad network interoperability testing of different media types and Ethernet switches for best-in-class compatibility
• Comprehensive operating system and hypervisor support

Performance assurance
• Optimized for Intel® architecture
• Data Plane Development Kit (DPDK) enabled for faster network functions virtualization (NFV), advanced packet forwarding, and highly-efficient packet processing

Worldwide product support
• Limited lifetime warranty for retail Ethernet Products
• 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.

<table>
<thead>
<tr>
<th>Adapter Series</th>
<th>Product</th>
<th>Connection</th>
<th>Cabling Type and Range</th>
<th>Speed</th>
<th>Ports</th>
<th>Order Codes*</th>
</tr>
</thead>
</table>
| 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 | X710DA2OCPV3, X710DA4OCPV3 |
| 1GbE           | I350-T4 for OCP 3.0 | RJ45 | CAT6 up to 55 m
CAT6A or better up to 100 m | 10/1GbE, 100MB | Quad | I350T4OCPV3 |

DAC - direct attach copper, SMF - single-mode fiber, MMF - multi-mode fiber
## Intel Ethernet Network Adapters for OCP - Mezzanine Card 2.0

<table>
<thead>
<tr>
<th>Adapter Series</th>
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</tr>
</thead>
<tbody>
<tr>
<td>800</td>
<td>EB10-CQDA1 for OCP</td>
<td>QSFP28</td>
<td>DAC: up to 5 m</td>
<td>100GbE</td>
<td>Single</td>
<td>Type 2: EB10CQDA1OCPT2G</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>SMF: up to 10 km</td>
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<td></td>
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<td>MMF: up to 100 m</td>
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<tr>
<td>700</td>
<td>XXV710-DA2 for OCP</td>
<td>SFP28</td>
<td>DAC: 25GbE up to 5 m</td>
<td>25/10GbE</td>
<td>Dual</td>
<td>Type 1: XXV710DA2OCP1</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>with RS FEC, up to 3 m</td>
<td></td>
<td></td>
<td>Type 2: XXV710DA2OCP2</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>without FEC, up to 15 m</td>
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<td></td>
<td></td>
<td></td>
<td>SMF: up to 10 km</td>
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<td></td>
<td></td>
<td></td>
<td>MMF: up to 70 m (OM3), up to 100 m (OM4)</td>
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</tr>
<tr>
<td>700</td>
<td>X710-DA2 for OCP</td>
<td>SFP+</td>
<td>DAC: 10GbE up to 15 m</td>
<td>10/1GbE</td>
<td>Dual</td>
<td>Type 1: X710DA2OCP1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SMF: up to 10 km</td>
<td></td>
<td></td>
<td>Type 2: X710DA2OCP2</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>MMF: up to 300 m (OM3), up to 400 m (OM4)</td>
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</tr>
</tbody>
</table>

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

*Interlock faceplate SKU also available on request.

Move data faster with Intel® Ethernet products
Learn more about Intel Ethernet Products and Technologies at intel.com/ethernet

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