

## Intel X710-DA2 Internal Fiber 40000 Mbit/s

**Brand :** Intel

**Product code:** EX710DA2G1P5

**Product name :** X710-DA2



Ethernet Converged Network Adapter X710-DA2

[Intel X710-DA2 Internal Fiber 40000 Mbit/s:](#)

Intel® Data Direct I/O Technology is a platform technology that improves I/O data processing efficiency for data delivery and data consumption from I/O devices. With Intel DDIO, Intel® Server Adapters and controllers talk directly to the processor cache without a detour via system memory, reducing latency, increasing system I/O bandwidth, and reducing power consumption.

Intel® Ethernet Power Management Technology provides solutions to common power management approaches by reducing idle power, reducing capacity and power as a function of demand, operating at maximum energy efficiency whenever possible, and enabling functionality only when needed.

Single-Root I/O Virtualization (SR-IOV) involves natively (directly) sharing a single I/O resource between multiple virtual machines. SR-IOV provides a mechanism by which a Single Root Function (for example a single Ethernet Port) can appear to be multiple separate physical devices.

| Ports & interfaces                 |  | Operational conditions                                  |   |
|------------------------------------|--|---|---|
| Connectivity technology *          | Wired  | Storage relative humidity (H-H)                         | 0 - 90%   |
| Host interface *                   | PCI Express  | <b>Other features</b>                                   |   |
| Interface *                        | Fiber  | Data transfer rate                                      | 8 GT/s  |
| Fiber ports quantity               | 2  | Cable type  | SFP+ Direct Attached Twinaxial<br>Cabling up to 10m |
| PCI Card form factor               | Half-height (low-profile)  | Number of VLANs   | 4096  |
| Network                            |  | Intel Virtual Machine Device Queues (VMDq)              | ✓   |
| Maximum data transfer rate *       | 40000 Mbit/s   | PCI-SIG* SR-IOV Capable                                 | ✓   |
| Networking standards *             | IEEE 802.1Q, IEEE 802.1as, IEEE 802.1p, IEEE 802.3, IEEE 802.3ad                                       | On-chip QoS and Traffic Management                      | ✓   |
| Ethernet interface type            | 40 Gigabit Ethernet  | Intel Flexible Port Partitioning                        | ✓   |
| Ethernet LAN data rates            | 40000 Mbit/s   | Intelligent Offloads                                    | ✓   |
| Cabling technology                 | 10GBase-T  | iWARP/RDMA  | ✗   |
| VLAN tagging                       | ✓  | Fiber Channel over Ethernet                             | ✗   |
| iSCSI support                      | ✓  | Intel Ethernet Power Management                         | ✓   |
| LAN controller                     | Intel® X550  | Intel Data Direct I/O Technology                        | ✓   |
| Design                             |  | Intel Virtualization Technology for Connectivity (VT-c) | ✓   |
| Product colour                     | Green, Silver  | Interface type  | PCIe v3.0 (8.0 GT/s)                                |
| Internal *                         | ✓  | Product type  | 13  |
| System requirements                |  | Status  | Launched  |
| Compatible operating systems       | intel.com/support/EthernetOS   | Ethernet adapter ARK ID                                 | 83964   |
| Linux operating systems supported  | ✓  | Product family  | Intel 10 Gigabit server adapter                     |
| Server operating systems supported | Windows Server 2008 R2, Windows Server 2008 R2 x64, Windows Server 2012 R2, Windows Server 2012 R2 x64 | Product series  | Intel Converged X710                                |
|                                    |  | Product codename  | Fortville   |
| Operational conditions             |  |   |   |
| Operating temperature (T-T)        | 0 - 55 °C  |   |   |
| Storage temperature (T-T)          | -40 - 70 °C  |   |   |

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 07-JAN-2024. Prints or copies of Information are only valid on the printed Publication date