Intel I710-T4L Datasheet

Intel 1GbE Quad Port Ethernet Network Adapter I710-T4L

I710-T4L

Maximize system port efficiency with the Intel® Ethernet Network Adapter I710-T4L. Four RJ45 ports offer auto-negotiation between 1000BASE-T and 100BASE-TX configurations. This low-power adapter also supports Energy Efficient Ethernet to efficiently reduce power consumption during periods of low data activity.

The I710-T4L is part of the Intel® Ethernet 700 Series, the foundation for server connectivity: providing broad interoperability, critical performance optimizations, and increased agility for Communications, Cloud, and Enterprise IT network solutions.

- Interoperability - Dual speeds and media types for broad compatibility backed by extensive testing and validation.
- Optimization - Intelligent offloads and accelerators to unlock network performance in servers with Intel® Xeon® processors.
- Agility - Both Kernel and Data Plane Development Kit (DPDK) drivers for scalable packet processing.

The Intel® Ethernet 700 Series delivers networking performance across a wide range of network port speeds through intelligent offloads, sophisticated packet processing, and quality

open-source drivers.

Key Features

- Energy Efficient Ethernet (EEE) / IEEE 802.3az enabled

- Dual-speed support for 1000BASE-T and 100BASE-TX

- Standard CAT5e/6/6A cabling with four RJ45 connectors for maximum system density

- PCI Express (PCIe) 3.0 x8

- FCC Class B for EMI

- Network Virtualization Overlay aware with stateless offload support for including VxLAN, GENEVE, and NVGRE

- Intel® Ethernet Flow Director for hardware-based application traffic steering

- Data Plane Development Kit (DPDK) optimized for efficient packet processing

- Excellent small packet performance for network appliances and Network Functions Virtualization (NFV)

- Intelligent offloads to enable high performance on servers with Intel® Xeon Scalable processors

Essentials

- Product Collection: Intel® Ethernet Network Adapter I710

- Status: Launched

- Launch Date: Q2'22

- Vertical Segment: Server

- Cable Medium: Copper

- Cabling Type: RJ45 Category 6, Category 6A, Category 5e up to 100m

- Bracket Height: Low profile and Full Height

Networking Specifications

- Port Configuration: Quad

- Data Rate Per Port: 1GbE/100Mb

- Intel® Virtualization Technology for Connectivity (VT-c): Yes

- Speed & Slot Width: 8.0 GT/s, x 8 Lane

- Controller: Intel® Ethernet Controller X710-TM4

Package Specifications

- System Interface Type: PCIe 3.0 (8.0 GT/s)

Intel® Virtualization Technology for Connectivity

- On-chip QoS and Traffic Management: Yes
- Flexible Port Partitioning: Yes
- Virtual Machine Device Queues (VMDq): Yes
- PCI-SIG* SR-IOV Capable: Yes

Advanced Technologies

- iWARP/RDMA: No
- Intel® Data Direct I/O Technology: Yes
- Intelligent Offloads: Yes
- Storage Over Ethernet: iSCSI, NFS

Ordering Information

- Intel® Ethernet Network Adapter I710-T4L, Retail Unit
- Ordering Code: I710T4L

For more specifications of Intel I710-T4L, please visit Intel website below.

https://www.intel.com/content/www/us/en/products/sku/225772/intel-ethernet-network-adapter-i710t4l/specifications.html

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