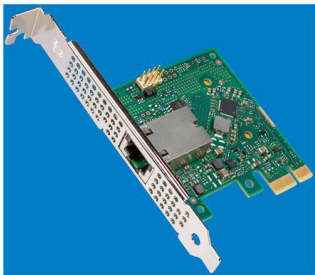


NIC/PCIe up to 2.5Gb RJ45 x 1 Bulk (I226T1BLK)

NIC/PCIe up to 2.5Gb RJ45 x 1 Bulk



The Intel Ethernet Network Adapter I226-T1 is ideally suited for personal computers and workstations used for enterprise, gaming, and home networks. These systems require more bandwidth than ever before. This ultra-compact, easy-to-integrate PCIe 3.1 x1 adapter, is a cost-effective networking solution for speeds up to 2.5GbE. The I226-T1 is also designed with a ventilated bracket, for increased efficiency and reduced power consumption. Packed with performance optimization capabilities, the I226-T1 includes advanced interrupt-handling features to reduce CPU overhead. Combining interrupt-handling features with intelligent filtering, ordering, and directing packets to specific queues and cores, enables load-balancing network traffic flows to improve throughput in multi-core platforms. Based on the Intel Ethernet Controller I226-LM, this versatile networking solution supports 2.5 Gbps, 1 Gbps, 100 Mbps and 10 Mbps network speeds without the need to overhaul existing cabling infrastructure. Simplifying technology transitions with auto-negotiation between port speeds provides maximum flexibility.

Key Selling Points

- 2.5 Gbps data transfer rate for high-speed networking
- Supports a wide range of protocols and standards for broad compatibility
- Low power consumption enhances energy efficiency
- Features like auto-negotiation and flow control for improved network reliability
- Compliant with major regulatory standards for global use

Product Features

- Enhanced connectivity**
The Intel Ethernet Network Adapter I226-T1 offers robust 2.5GBase-T connectivity, ensuring high-speed data transfer rates of up to 2.5 Gbps. This feature is designed to meet the demands of computing environments, providing a seamless and efficient networking experience.
- Comprehensive compatibility**
With support for a wide range of standards including IEEE 802.3, 802.3x, and 802.3z, as well as a variety of network and transport protocols like IPv4, IPv6, TCP/IP, and UDP/IP, this network adapter ensures broad compatibility with existing infrastructure and future network deployments.
- Efficient power management**
The Intel Ethernet Network Adapter I226-T1 is engineered with features like Active State Power Management (ASPM), low power consumption, and an operational power draw of only 1.4 W, making it an energy-efficient choice for any setup.
- Advanced networking features**
This adapter comes equipped with functionalities such as auto-negotiation, flow control, load balancing, and Receive Side Scaling (RSS), enhancing its operational efficiency and reliability in handling network traffic.
- Durable and compliant**
Adhering to a comprehensive list of standards and certifications including FCC Class B, RoHS, and UL among others, the Intel Ethernet Network Adapter I226-T1 is built for durability and compliance with global regulatory standards.

Main specifications

Product Description	Intel Ethernet Network Adapter I226-T1 - network adapter - PCI Express 3.1 x1 - 2.5GBase-T x 1
Device Type	Network adapter
Form Factor	Plug-in card - low profile
Interface (Bus) Type	PCI Express 3.1 x1
PCI Specification Revision	PCIe 3.1
Ports	2.5GBase-T x 1
Dimensions (WxDxH)	65.3 mm x 68.7 mm
Cabling Type	Ethernet 10Base-T, Ethernet 100Base-TX, Ethernet 1000Base-T, Ethernet 2.5GBase-T
Data Link Protocol	10Mb LAN, 100Mb LAN, 1GbE, 2.5GbE
Data Transfer Rate	2.5 Gbps
Capacity	Tx queues: 4 Rx queues: 4
Network / Transport Protocol	SCTP, TCP/IP, UDP/IP, IPv4, IPv6
Processor	1 x Intel I226
Compliant Standards	IEEE 802.3, IEEE 802.3x, IEEE 802.3z
Manufacturer Warranty	Limited lifetime warranty

Extended specification

General

Device Type	Network adapter
Form Factor	Plug-in card - low profile
Interface (Bus) Type	PCI Express 3.1 x1
PCI Specification Revision	PCIe 3.1

Expansion / Connectivity

Interfaces	1 x 2.5Gb Ethernet - RJ-45
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Manufacturer Warranty

Service & Support	Limited warranty - lifetime
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Networking

Ports	2.5GBase-T x 1
Connectivity Technology	Wired
Cabling Type	Ethernet 10Base-T, Ethernet 100Base-TX, Ethernet 1000Base-T, Ethernet 2.5GBase-T
Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet, 2.5 Gigabit Ethernet
Data Transfer Rate	2.5 Gbps
Capacity	Tx queues: 4 ¦ Rx queues: 4
Network / Transport Protocol	SCTP, TCP/IP, UDP/IP, IPv4, IPv6
Status Indicators	Link/activity
Features	Load balancing, auto-negotiation, flow control, ASPM support, APM support, ACPI 2.0 support, low power consumption, PXE 2.1 support, TSO, RSS, 9.5 KB Jumbo Frame
Compliant Standards	IEEE 802.3, IEEE 802.3x, IEEE 802.3z

Miscellaneous

Included Accessories	Full-height bracket, low-profile bracket
Compliant Standards	CAN/CSA-C22.2 No. 62368-1-14, Directive 2011/65/EU, Directive 2015/863/EU, EMC, EMI, EN 62368-1:2014, FCC Class B certified, RoHS, UL 62368-1, UL, VCCI, BSMI, C-Tick, KCC
Package Type	Bulk

Power

Power Consumption Operational	1.4 watt
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	55 °C

Processor / Memory

Processor	1 x Intel I226
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Dimensions & Weight

Depth	65.3 mm
Height	68.7 mm

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet