

InLine 51125T network card Internal Ethernet 2500 Mbit/s

Model: 51125T

Manufacturer: INLINE

EAN: 4043718349197

Product Code: 1081701

R1,345

High network performance at 2.5 Gb/s: Ideal for servers, NAS, multimedia streaming, and virtualization thanks to RJ45 connection with Realtek RTL8125B chip.
Easy integration via PCIe x1: Compatible with x1, x4, x8, and x16 – fast network expansion for PCs, workstations, and industrial systems.
Numerous features for professionals: Supports VLAN, Double-VLAN, Jumbo Frames, RSS, PTP, VMQ, and VMDq for maximum network efficiency.
Broad system compatibility: Supports Windows 7 to 11, Windows Server 2008–2019, and common Linux distributions with driver support.
Future-proof with Cat 5e cables: No rewiring necessary – 2.5 Gb/s can be used without any problems over existing Cat 5e cables up to 100 m.

This PCIe network card from InLine expands your PC, industrial computer, or workstation with a

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powerful 2.5 Gigabit Ethernet connection. The RJ45 port allows you to achieve network speeds of up to 2.5 Gb/s – ideal for data-intensive applications such as server connections, virtualization, NAS systems, multimedia streaming, or fast file transfers.
The card is connected via a PCIe x1 interface, but is also compatible with x4, x8, and x16 slots. The modern Realtek RTL8125B chipset offers advanced networking features: auto-negotiation, auto-MDI/MDI-X, VLAN support (including double VLAN), Layer 2 traffic prioritization, flow control, jumbo frames (up to 16 KB), RSS, hardware CRC, Wake-on-LAN, and RealWoW!
VMQ, VMDq, and IEEE time services are supported for virtualization environments. The card is compatible with Windows (7 to 11, Server 2008–2019) and Linux. Cat.5e cabling is sufficient for 2.5 Gigabit operation – ideal for upgrades without structural measures.
The scope of delivery includes a driver CD, a user manual in German and English, and a low-profile slot bracket, so that even compact cases are supported.

PCIe standard:PCIe v2.1 x1 lanes (compatible with x1, x4, x8, and x16)

Connection:1x RJ45

Chipset: Realtek RTL8125B

Supported speeds:

– 2.5 Gb/s (2.5GBASE-T, IEEE 802.3bz)

– 1 Gb/s (1000BASE-T, IEEE 802.3ab)

– 100 Mb/s (100BASE-TX, IEEE 802.3u)

– 10 Mb/s (10BASE-T, IEEE 802.3)

Supported functions/standards:

– Auto-negotiation

– Auto-MDI/MDI-X

– Flow control: IEEE 802.3x

– VLAN support: IEEE 802.1Q, 802.1ad

– Prioritization: IEEE 802.1p

– Energy-efficient Ethernet: IEEE 802.3az

– Jumbo frames: up to 16 KB

– RSS – Hardware CRC and hardware ECC

– Wake-on-LAN and RealWoW!

– VMDq and VMQ

– PTP time services: IEEE 1588v1/v2, IEEE 802.1AS

Cable requirements:2.5 Gb/s: Cat-5e or higher (up to 100 m)

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Operating temperature:0 °C to 70 °C C

Storage temperature:-40 °C to 70 °C

Maximum humidity:90%, non-condensing

Supported operating systems: Windows 7 / 8 / 8.1 / 10 / 11, Windows Server 2008 / 2008 R2 / 2012 / 2012 R2 / 2016 / 2019, Linux

Scope of delivery:1x InLine 2.5 Gigabit network card, 1x RJ45, 1x low-profile slot bracket, 1x driver CD, 1x user manual in German/English

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