

InLine Quad Gigabit network card, 4x RJ45 2.5Gb/s, PCIe x4, incl. LP bracket

Model: 51127A

Manufacturer: INLINE

EAN: 4043718333264

Product Code: 469095

R2,967

Highest network performance on four ports: The card offers four RJ45 ports with up to 2.5Gb/s per port for maximum bandwidth in demanding IT environments.

Optimised for professional network infrastructures: Supports VLAN tagging, double VLAN, RSS and VMQ - ideal for virtualised servers and structured networks.

Compact and flexible in use: Low-profile bracket supplied allows use in compact industrial PCs and server housings.

Future-proof technology with broad compatibility:PCIe x4 connection, Realtek RTL8125B chipset and support for Windows and Linux systems.

Precise time synchronisation for industrial applications: Supports IEEE 1588v2, 802.1Qav and 802.3az for time-critical applications and energy-efficient operation.

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The InLine® Quad Gigabit PCIe network card 51127A was developed for demanding professional applications and combines maximum network performance with flexible compatibility. With four RJ45 ports and a transfer rate of up to 2.5Gb/s per port, it is ideal for use in virtualised server environments, industrial control systems or high-performance workstations.

Thanks to the Realtek RTL8125B chipset and PCI Express x4 interface (compatible with x1/x4/x8/x16 slots), it not only offers full performance, but also supports state-of-the-art functions such as RSS (Receive Side Scaling), Virtual Machine Queue (VMQ), VLAN tagging, Double VLAN as well as ECC and CRC functions for secure data transmission.

The card is compatible with both Windows and Linux and supports energy-efficient networks in accordance with IEEE 802.3az. Functions such as Wake-on-LAN, "RealWoW" and time synchronisation in accordance with IEEE1588v2 make it an ideal solution for professional network architectures where precision and reliability are required.

The included low-profile bracket also makes it easy to install in compact housings such as industrial PCs or 2U servers. Backwards compatibility with 10/100/1000BASE-T and the use of existing Cat.5e cabling, your network remains flexible and future-proof.

Chip set Realtek RTL8125B
Complies with PCI Express Revision V2.1
2-lane PCI Express bus connection with up to 10Gb/s bus width
PCI Express interface: x4
Supports 1-lane 2.5/5 Gb/s PCI Express bus
Supports 2.5G and 1G Lite mode
Auto-negotiation with Extended Next Page capability (XNP)
Supports pair swap/polarity/skew correction
Supports the ECC function (Error Correction Code)
Supports the CRC function (Cyclic Redundancy Check)
Supports PCI MSI (Message Signalled Interrupt) and MSI-X
Supports on-chip buffers for sending and receiving
Supports ECMA-393 ProxZzzy standard for hosts in sleep mode
Supports Wake on LAN (WoL) and "RealWoW" (remote wake-up)
Supports IEEE1588v1,IEEE1588v2,IEEE80.2AS time synchronisation

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Supports IEEE802.1Qav credit-based shaper algorithm

Supports IEEE802.1P Layer 2 priority coding

Supports IEEE802.1ad Double VLAN

Supports IEEE 802.3az (energy-efficient Ethernet, EEE)

Supports IEEE802.3bz (2.5GBase-T)

Supports 16KB jumbo frames

Supports Virtual Machine Queue (VMQ)

Supports quad core receive side scaling (RSS)

Supports protocol offload (ARP&NS)

Backward compatible with 10/100BASE-TX networks

10 / 100 / 1000 / 2500 Mb/s data rate

Compatible with existing CAT-5e UTP cabling or higher

Fully compatible with IEEE 802.3, 802.3u, 802.3ab

Supports full-duplex flow control (IEEE 802.x)

Supports IEEE 802.1Q VLAN tagging

Crossover detection and auto-correction mode

Supports Microsoft Windows Vista or newer, Server 2008 or newer, Linux Kernel 2.4.x or newer

Operating temperature: 0° C – 55° C

Storage temperature: -40° C – 70° C

Humidity: 10% - 90% non-condensing

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