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# InLine 51127A Interface Card Instruction Manual

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Instruction Manual

**Contents**

## GENERAL INFORMATION

**Validity:**
This user manual applies to the following product: · 51127A InLine® Quad Gigabit network card, 4x RJ45 2.5Gb/s, PCIe x4, incl. low profile bracket

**Manufacturer:** INTOS ELECTRONIC AG Siemensstraße 11 D-35394 Gießen **service@inline-info.com**
Date: 06 / 2024

## CONTENT OF DELIVERY

1x InLine® Quad Gigabit Ethernet PCIe Adapter
1x Low-profi le slot bracket
1x Driver CD
1x Instruction manual (German/English)

Please check the content of delivery for completeness. If individual components are missing, please contact your dealer.

## EXPLANATION OF WARNING SYMBOLS AN NOTES

This symbol indicates information that contributes to a better understanding.

This symbol indicates that there are fundamental risks to the health of persons.

## INTENDED USE

This InLine® Quad Gigabit Ethernet adapter is an additional card for plugging into the computer.

- Can be used with Windows PC and Linux
- Installation in a free PCIe slot on the computer`s mainboard

## GENERAL WARNINGS

- Do not open the housing for installation until the power source has been disconnected
- Protect from dust and moisture

⚠️ **Danger** If the computer housing is open, live parts can be touched, there is a risk of electric shock and the installation may have to be carried out by a specialised company.

## NON-INTENDED USE

The following is considered improper use in the sense of foreseeable misuse:

- Install the PCI adapter in the correct slot, otherwise the computer and card may be damaged.
- Avoid the occurrence of short circuits or bypasses during installation.

## INTRODUCTION

This InLine® Quad Gigabit Ethernet PCIe adapter is a high performance 10/100/1000/2.5G BASE-T Ethernet LAN controller, which is perfect for home and office use. It offers a cost-effective solution for connecting to a network at a data transfer rate of up to 2500 Mb/s and can be used with any Cat.5e cabling or higher up to a maximum distance of 100 metres without any problems.

## SYSTEM REQUIREMENT

- Mainboard with an available PCIe slot
- Supporting operating system
- Optical drive for driver installation
- Optional drivers can be downloaded from the following page: **www.inline-info.com/downloadcenter**

📝 **Note** Before installing and activating the interface card, please ensure that you have a complete backup of your existing data from the hard disc. The manufacturer is not responsible for data transfer due to misuse, misapplication or negligence. If you have an installation problem, please contact your dealer.

## FEATURES / SPECIFICATIONS

- Chipset Realtek RTL8125B
- 10 / 100 / 1000 / 2500 Mb/s data rate
- Complies with PCI Express revision V2.1
- 2-Lane PCI Express bus connecting with up to 10 Gb/s bus width
- PCI Express interface: x4
- Supports Wake-On-LAN and `RealWow!' Technology (remote wake-up)
- Supports jumbo frames up to 16KB
- Fully compliant with IEEE 802.3, 802.3u, 802.3ab
- Crossover detection and auto-correction mode
- Supports Microsoft Windows Vista or newer, Server 2008 or newer, Linux Kernel 2.4.x or newer

- 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 hardware ECC (Error correction code) function
- Supports hardware CRC (Cyclic Redundancy Check) function
- Supports PCI MSI (Message Signaled Interrupt) and MSI-X
- Transmit/Receive on-chip buffer support
- Supports ECMA-393 ProxZzzy Standard for sleeping hosts
- Supports IEEE1588v1, IEEE1588v2, IEEE80.2AS time synchronization
- Supports IEEE802.1Qav credit-based shaper algorithm
- Supports IEEE802.1P Layer 2 priority encoding
- Supports IEEE802.1ad Double VLAN
- Supports IEEE802.3az (Energy Efficient Ethernet, EEE)
- Supports IEEE802.3bz (2.5GBase-T)
- Supports Virtual Machine Queue(VMQ)
- Supports quad core Receive Side Scaling(RSS)
- Supports Protocol Offload (ARP&NS)
- Backwards compatible with 10/100BASE-TX networks
- Compatible with existing CAT-5e UTP cabling or higher
- Supports full duplex flow control (IEEE 802.3x)
- Supports IEEE 802.1Q VLAN tagging

## HARDWARE INSTALLATION

1. Switch off your computer and all external devices connected to it
2. Disconnect your computer from the power source, unplug the power cable, disconnect all peripheral devices
3. Open the computer case. Refer to the computer manual for further details
4. Locate a free PCIe slot and remove the slot bracket. Save the retaining screw for later use
5. Align the card horizontally to the PCIe slot and insert it firmly and evenly into the slot
6. Once you have inserted the card correctly into the slot, secure it to the computer housing using the retaining screw
7. Connect the system to the network by plugging the 8-wire Cat.5e or Cat.6 cable (not included) into the RJ45 connector on the network card
8. Close and secure the computer housing. Switch on your computer after you have connected all peripheral devices and the power cable

## DRIVER INSTALLATION

1. Start Windows and insert the driver CD into the optical drive.
2. Open one of the following folders on the driver CD, depending on your operating system:
   • For Windows 7, Server 2008 R2 (32/64 bit): [Letter of the optical drive]:\RTL8125\Windows\Win7_Server2008 R2\Install_Win7_7127_10222019, double-click the „setup.exe" fi le
   • For Windows 8, 8.1, Server 2012 (32/64 bit): [Letter of the optical

drive]:\RTL8125\Windows\Win8_8.1_Server2012\Install_Win8_8.1_8073_10222019, double-click the „setup.exe" fi le

• For Windows 10 (32/64 bit): [Letter of the optical drive]:\RTL8125\Windows\Win10\Install_Win10_10036_10222019, double-click the „setup.exe" fi le

• For Windows 11 (32/64 bit): [Letter of the optical drive]:\RTL8125\Windows\Win11\, double-click the „Install_PCIE_Win11_11.4.1201.2021_01182022.exe" fi le

3. Follow the instructions on the screen to install the driver

4. Once the driver installation is complete, you can use the device properly.

## UPDATE DRIVER:

The latest drivers and the latest changes to this document can be found here: **https://www.inline-info.com/downloadcenter**

## DISPOSAL

 Electrical and electronic devices as well as batteries must not be disposed of with household waste. The consumer is legally obliged to return electrical and electronic equipment and batteries at the end of their service life to the public collection points set up for this purpose or to the point of sale.

**SIMPLIFIED EC DECLARATION OF CONFORMITY**

The Manufacturer / Importer:
Owner of the Trademark:
INTOS ELECTRONIC AG Siemensstrasse 11 35394 Giessen



hereby declares that this InLine® Quad 2.5 Gigabit network card complies with all relevant provisions of the EMC (2014/30/EU) and ROHS (2011/65/EU + 2015/863/ EU) directives.

The full part of the EU Declaration of Conformity is available at the following web address: **https://www.inline-info.com/en/downloadcenter**



**https://www.inline-info.com/downloadcenter**

## DISCLAIMER

1st edition English 06 / 2024

**Please keep away from children.**



## Documents / Resources



**InLine 51127A Interface Card** [pdf] Instruction Manual
51127A Interface Card, 51127A, Interface Card, Card

## References

- **IT- und Multimedia-Accessories von InLine | Der Kabel-Spezialist**
- **IT- und Multimedia-Accessories von InLine | Der Kabel-Spezialist**
- **User Manual**

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