

inLine 76660N PCI Express Card



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VALIDITY

This user manual applies to the following product:

- 76660N InLine® PCI Express card for 2x internal NVMe M.2 Key M bifurcation, PCIe x8, incl. Low-profile slot bracket

CONTENT OF DELIVERY

- 1x InLine® PCI Express card to 2x internal NVMe M.2
- 1x Low-profile slot bracket
- 1x Screwdriver
- 4x Screws
- 2x Heat sink pads
- 1x User 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® PCI Express card expands your system by allowing two internal NVMe M.2 SSDs to be operated via M.2 slots (Key M). The card is designed for use in PCIe capable desktop or server systems – provided that your motherboard supports PCIe 3.0 and the required bifurcation function.

NON-INTENDED USE

The following is considered to be non-intended use in the sense of foreseeable misuse:

- Install the InLine® PCI Express card 2x internal NVMe M.2 Key M in the correct slot, otherwise the computer and card may be damaged.
- Do not disassemble the PCIe network card.
- Do not connect M.2 SSDs if your motherboard does not support bifurcation or the number of SSDs that can be read is limited by the CPU.



Please always switch off the power supply before installing the PCI Express card to avoid the risk of electric shock.

If you encounter difficulties during installation, please contact a specialised company or the dealer from whom you purchased the card.

INTRODUCTION

The InLine® PCI Express card 2x internal NVMe M.2 Key M – Bifurcation enables the parallel operation of two NVMe SSDs via M.2 slots. With a PCIe 3.0 x8 connection, the card offers a maximum bandwidth of up to 64 GB/s, with each port supporting transfer speeds of up to 4 GB/s. Hyper M.2 technology, automatic lane configuration and integrated LED indicators ensure optimal performance and easy error diagnosis.

System requirements Hardware:

- PC with a free PCIe 3.0 x8 (or x16 Slot)
- Motherboard that supports PCIe bifurcation



Before installing and activating the PCI Express card, please make sure that you have a full backup of your existing data on the hard disk. The manufacturer is not responsible for data transmission due to misuse, misapplication or negligence. If you have an installation problem, please contact your dealer.

PROPERTIES / SPECIFICATIONS

Technical Data

- **Bus Type & PCIe:** PCIe 3.0 (8 GT/s) x8-lanes (provides up to 64 Gb/s bandwidth)
- **Connector – Interfaces:** 2x M.2 Key M slots – for installation of NVMe SSDs
- **Controller/chipset:** PI6C20400BLE
- Supports M.2 SSDs in sizes 2230, 2242, 2260, 2280, 22110
- **Data rate:** Each slot supports transfer rates of up to 4 Gb/s
- **Dimensions:** 135 mm x 68 mm (PCIe Board)

Features

- Automatic detection of lane configuration at boot time
- Onboard LED indicators (2 x Read/Write Activity LEDs)
- M.2 SSDs receive their power supply directly via the PCIe bus
- No additional drivers required

Operating system support

- **Windows:** 11, 10, 8, 8.1,
- **Windows Server:** 2012 R2
- **Linux:** Native support (including Fedora, SUSE, Ubuntu, Red Hat)

Environmental conditions

Operating temperature: -40 °C to +85 °C

Update drivers:

The latest drivers and latest changes to this document can be found here:

<https://www.inline-info.com/downloadcenter>

BIOS/UEFI settings for PCIe bifurcation

To get the most out of the card, the PCIe slot used often needs to be set to bifurcation mode in the BIOS/UEFI. This splits the available PCIe lanes of the slot into several independent channels (for example, from an x8 slot into two x4 channels), so that both M.2 SSDs can be operated simultaneously.

The exact name and location of this setting varies depending on the motherboard manufacturer and the BIOS/UEFI version. Terms such as 'PCIe Bifurcation', 'Lane Splitting', 'PCIe Slot Configuration' or 'PCIe Lane Allocation' may be used. Please consult your motherboard manual to find the correct setting and check whether both NVMe SSDs are correctly recognised after configuration.

HARDWARE INSTALLATION

1. Switch off the computer and unplug the power plug.
2. Remove the computer cover to access a free PCIe slot.
3. If not already done, insert the desired M.2 SSDs into the card's M.2 slots.
4. Find an open PCIe x8 (or x16) slot that supports PCIe 3.0 and make sure that your motherboard has activated the bifurcation function.
5. Carefully align the card with the slot and firmly insert the PCIe connector into the slot.
6. Secure the card to the chassis with the bracket screw and use the supplied low profile bracket.
7. Replace the computer cover and reconnect the PC to the power supply.
8. Start the computer – the card is automatically recognised and (if necessary) the appropriate drivers are loaded by the operating system.

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 EU DECLARATION OF CONFORMITY

The Manufacturer / Importer:

Owner of the Trademark:

INTOS ELECTRONIC AG

Siemens Strasse 11

D-35394 Gießen

INLINE

service@inline-info.com

Owner of the Trademark:



hereby declares that this InLine® PCI Express card meets all the relevant provisions of the EMC (2014/30/EU) and RoHS (2011/65/EU + 2015/863/EU) directives.

The full EU Declaration of Conformity is available at the following web address:

www.inline-info.com/downloadcenter



DISCLAIMER

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Please keep away from children.



Documents / Resources

	inLine 76660N PCI Express Card [pdf] User Manual 76660N PCI Express Card, 76660N, PCI Express Card, Express Card, Card
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References

- [User Manual](#)

76660N, 76660N PCI Express Card, Card, Express Card, InLine, PCI-Express

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