

InLine 51127G network card Ethernet 1000 Mbit/s



Model: 51127G

Manufacturer: INLINE

EAN: 4043718352821

Product Code: 1552082

R1,215

Gigabit PCIe network card with RJ45, Wake-on-LAN and low-profile support

Reliable Gigabit network connection: Supports 10/100/1000 Mbps Ethernet via RJ45 and enables stable wired network connections via PCI Express.

Flexible integration: The included low-profile slot bracket supports installation in compact enclosures and industrial systems.

Optimised data transfer: Jumbo frames, flow control and TCP/IP offload functions can reduce the processor load depending on the system environment.

Remote and management functions: Supports Wake-on-LAN, SMBus 2.0 controller and IPMI 1.5 functions for advanced network management.

Broadcom NetXtreme chipset: The Broadcom BCM5721 chipset supports stable network

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communication in various system environments.

The InLine® Gigabit network card adds an additional RJ45 Gigabit Ethernet port to compatible systems via PCI Express. The card is based on the Broadcom BCM5721 NetXtreme chipset and supports network connections at 10/100/1000 Mb/s, including auto-negotiation.

With support for IEEE 802.3, IEEE 802.3u and IEEE 802.3ab, the network card is suitable for various wired network environments. Features such as Wake-on-LAN, VLAN according to IEEE 802.1Q and Jumbo Frames up to 9K support flexible network configurations and can enable efficient data transfer depending on the infrastructure.

Additional features such as TCP/IP offload, checksum offload, large send offload and interrupt coalescing can reduce the system load and contribute to stable data transmission. The network card also supports SMBus 2.0 controller and IPMI 1.5 functions for management and monitoring tasks. Thanks to the PCIe x1 interface and the included low-profile slot bracket, the card is also suitable for compact systems and industrial PCs. The integrated status LEDs provide information on network connection and data activity directly at the RJ45 port.

Technical Specifications

PCIe standard: PCIe v1.1, x1 lane

Connection: 1x RJ45 10/100/1000BASE-T

Chipset: Broadcom BCM5721 NetXtreme

Speed: 10/100/1000 Mb/s with auto-negotiation

Ethernet standards: IEEE 802.3, IEEE 802.3u, IEEE 802.3ab

Duplex support: Half-duplex at 10/100 Mb/s, full-duplex at all supported speeds

Jumbo frames: up to 9K (for more efficient transmission of large data packets)

VLAN support: IEEE 802.1Q (for network segmentation)

Flow control: IEEE 802.3x (to reduce packet loss under high load)

Wake-on-LAN: standards-compliant, incl. out-of-the-box WoL

Management functions: SMBus 2.0 controller, IPMI 1.5 support

Offload functions: TCP/IP offload, TCP/IP/UDP checksum offload, Microsoft Large Send Offload

Performance optimisation: Interrupt coalescing, Large Burst Read

Hardware power switching

Cable requirements: Cat.5e or higher recommended for 1000 Mb/s

Supported operating systems

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Linux from kernel 2.2

Windows 2000 / XP / 7 / 8 / 8.1 / 10 / 11

Windows Server 2008 / 2012 / 2016

LED behaviour on the port

The network card has two status LEDs on the RJ45 port.

Orange LED (Link) – Lights up continuously as soon as a network connection is established.

Green LED (Activity) – Flashes as soon as data is being transferred.

Contents

1x InLine Gigabit network card, 1x RJ45

1x Low-profile slot bracket

1x Driver CD

1x User manual (German/English)