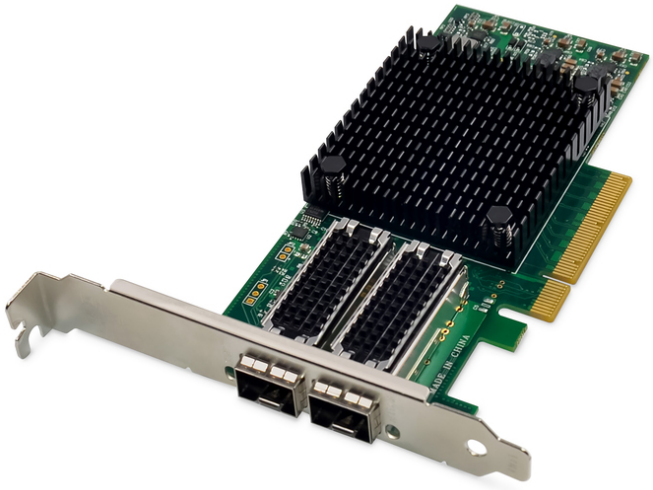
DIGITUS® 2 port 25 Gigabit Ethernet network card, SFP28, PCI Express, Mellanox chipset

DN-10180

EAN 4016032488026



Dual-Port 25G SFP28 Adapter

Introducing the DN-10180 - a high-performance network interface card that is designed to provide reliable and efficient network connectivity for your server or workstation. This card is fully compliant with PCI Express Specification Revision 3.0, 1.1, and 2.0, and supports link rates of 2.5, 5.0, or 8.0GT/s at x8. The DN-10180 features auto-negotiation capabilities that allow it to operate at x8, x4, x2, or x1, making it compatible with a wide range of devices. It also supports MSI/MSI-X mechanisms for efficient interrupt handling and dual-Port 25G, 10G, or 1Gb/s SFP+ connectivity for flexible network deployment. This network interface card is designed to support a wide range of industry standards, including IEEE802.3by, 25G supporting all FEC modes, IEEE802.3az Energy Efficient Ethernet, IEEE802.3ap based auto-negotiation and KR startup, and IEEE802.3ad, IEEE802.1ax, IEEE802.1Q, IEEE802.1P, IEEE802.1Qaz, IEEE802.1Qbb, IEEE802.1Qbg, IEEE1588V2. The DN-10180 also supports jumbo frame support up to 9.6KB, independent NC-SI SMBus interface, independent stand-by and wake-on-Lan signals, hardware-based reliable transport, collective operation offloads, and PeerDirect RDMA (aka GPUDirect communication acceleration). Other key features of the DN-10180 include 64/66 encoding, extended reliable connected transport, dynamically connected transport, RDMA over Converged Ethernet (RoCE), TCP/UDP/IP stateless offload, LSO.LRO. checksum offload, and hardware offload of encapsulation and decapsulation of NVGRE and VXLAN overlay networks. This network interface card also supports SR-IOV, Multi-function, Enhanced QoS, VMware support, and up to 256 virtual functions and 8 physical functions per port. It offers guaranteed QoS for VMs and is compatible with OpenMPI, IBM PE, OSU MPI, and Intel MPI protocols. The DN-10180 is designed to support remote boot over Ethernet, iSCSI, PXE, and UEFI and is compatible with a wide range of operating systems, including FreeBSD, Linux 5.x and above, VMware 5.5/6.0/6.5/6.7, Windows Server 2008/2012/2016/2019, and Win7/Win8/Win8.1/Win10 32 or 64bit. Overall, the DN-10180 is a high-performance network interface card that offers reliable and efficient network connectivity for your server or workstation. It is designed to meet the demands of modern data centers and is compatible with a wide range of devices and operating systems.

Introducing the DN-10180 - a high-performance network interface card that is designed to provide reliable and efficient network connectivity for your server or workstation. This card is fully compliant with PCI Express Specification Revision 3.0, 1.1, and 2.0, and supports link rates of 2.5, 5.0, or 8.0GT/s at x8.

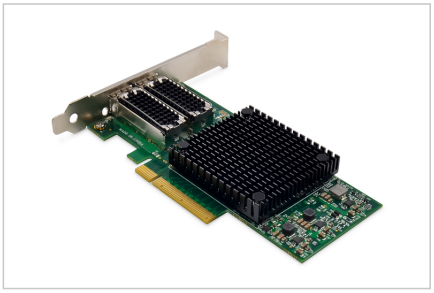
- Compliant with PCI Express Specification Revision 3.0,1.1 and 2.0,2.5, 5.0, or 8.0GT/s link rate x8
- Auto-negotiates to x8, x4, x2, or x1
- Support for MSI/MSI-X mechanism
- Supports dual-Port 25G,10G, or 1Gb/s SFP+
- IEEE802.3by,25G supporting all FEC modes, IEEE802.3az Energy Efficient Ethernet, IEEE802.3ap based auto-negotiation and KR startup
- Support Standards IEEE802.3ad, IEEE802.1ax, IEEE802.1Q, IEEE802.1P, IEEE802.1Qaz, IEEE802.1Qbb, IEEE802.1Qbg, IEEE1588V2
- Jumbo frame support 9.6KB
- Independent NC-SI SMBus interface
- Independent stand-by and wake-on-Lan signals
- Collective operation offloads
- PeerDirect RDMA (aka GPUDirect communication acceleration)
- 64/66 encoding
- Extended Reliable connected transport
- Dynamically connected transport
- RDMA over Converged Ethernet (RoCE)
- TCP/UDP/IP stateless offload
- LSO.LRO. checksum offload
- Hardware offload of encapsulation and decapsulation of NVGRE and VXLAN overlay networks
- SR-IOV, Multi-function, Enhanced QoS, VMware support
- SR-IOV up to 256 virtual functions
- SR-IOV up to 8 physical functions per port
- Guaranteed QoS for VMs
- OpenMPI, IBM PE, OSU MPI, Intel MPI protocol support
- NC-SI over MCTP over SMBus and NC-SI over MCTP over PCIe-Baseboard Management Controller interface
- Remote boot over Ethernet, iSCSI, PXE, and UEFI
- Supports Operation Systems: FreeBSD, Linux5.x and above, VMware5.5/6.0/6.5/6.7, Windows server2008/2012/2016/2019, win7/win8/win8.1/win10 32 or 64bit

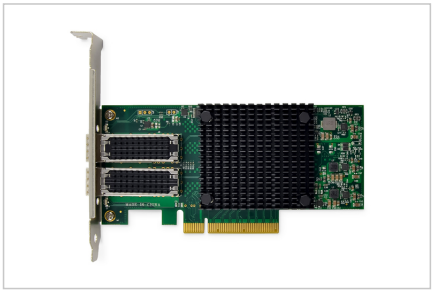
Package contents

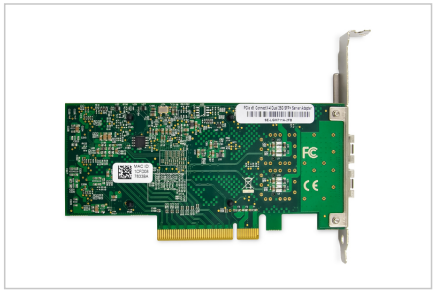
- 1 x PCIe x8 Mellanox Connectx-4 Dual-Port 25G SFP+ adapter
- 1 x User's Manual
- 1 x CD Driver
- 1 x Low profile bracket

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	20	5.15	39.00	41.00	41.00	65,559.00
Packaging Unit Inside	1	0.26	0.00	0.00	0.00	0.00
Packaging Unit Single	1	0.26	3.00	15.50	22.00	1,023.00
Net single without Packaging	1	0.15	2.00	7.00	15.00	0.00

More images:







Safety notes

- Switch off the computer completely and disconnect it from the power supply before installing or removing the network card.
- Static discharge can damage the product or the PC. Take measures against static discharge (ESD) when installing the product, e.g. wear an antistatic wrist strap.
- Before installation, touch the metal surface of the PC housing or another grounded object to ground any ESD charge via the housing.
- Avoid using too much force when connecting the product to the PC.
- Please ensure that any cables are connected correctly without overstretching or damaging them.
- Avoid touching the contacts of the product with your fingers to prevent corrosion or static charge.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

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