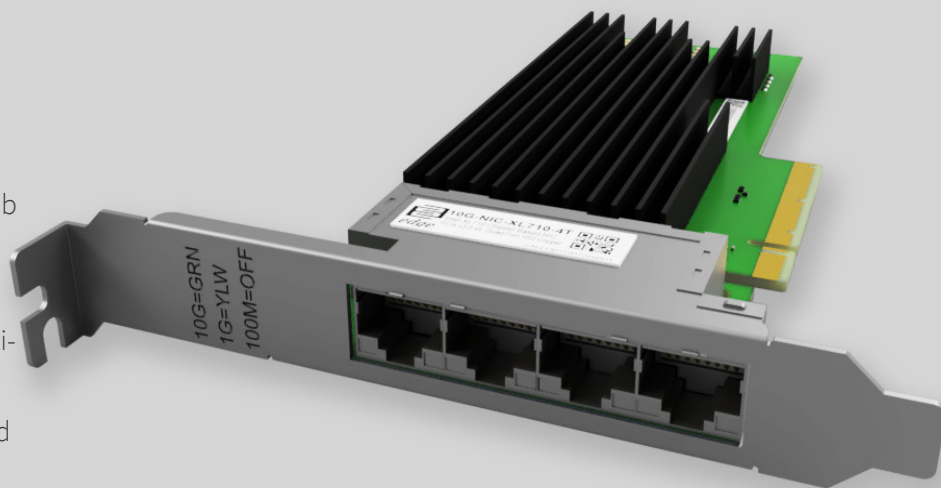


Key Highlights:

- **NIC Category:** Quad Port 10G Copper RJ-45 PCIe
- **Controller:** Intel® XL710
- **System Interface Type:** PCIe v3.0 x8 (8GT/s)
- **Ports:** 4x10G RJ-45
- **Data rate per port:** 10/1GbE and 100Mb
- **Network Operating Systems (NOS):** Windows 64-bit, Linux, FreeBSD
- **Performance:** Load balancing on multiple CPUs
- **Cables support:** RJ-45 CAT 6 (55m) and CAT 6A (100m)
- **Clock:** Time Sync (IEEE 1588*, 802.1as)
- **Bracket Height:** Low Profile & Full Height



Network Interface Card: 10G-NIC-XL710-4T

Product Description:

EDGE Optic 10G-NIC-XL710-4T is Quad Port 10 Gigabit Ethernet Copper RJ-45 PCI-Express Network Interface Card which is based on Intel® XL710 Chipset. 10G-NIC-XL710-4T card with use of its load balancing functions provides superior performance on multi-core processor servers and can offer leading network virtualization features, several remote boot options and wide manageability features. With its auto negotiation features between 10GbE/1GbE/100Mb card gives users great flexibility in network design.

10G-NIC-XL710-4T can run on most network operating systems and can be used as a compatible alternative for Intel, HPE, Dell, Lenovo, IBM, Cisco, Broadcom, Marvel, Qlogic, Emulex, Mellanox, Supermicro and many other brand Network Interface Cards.

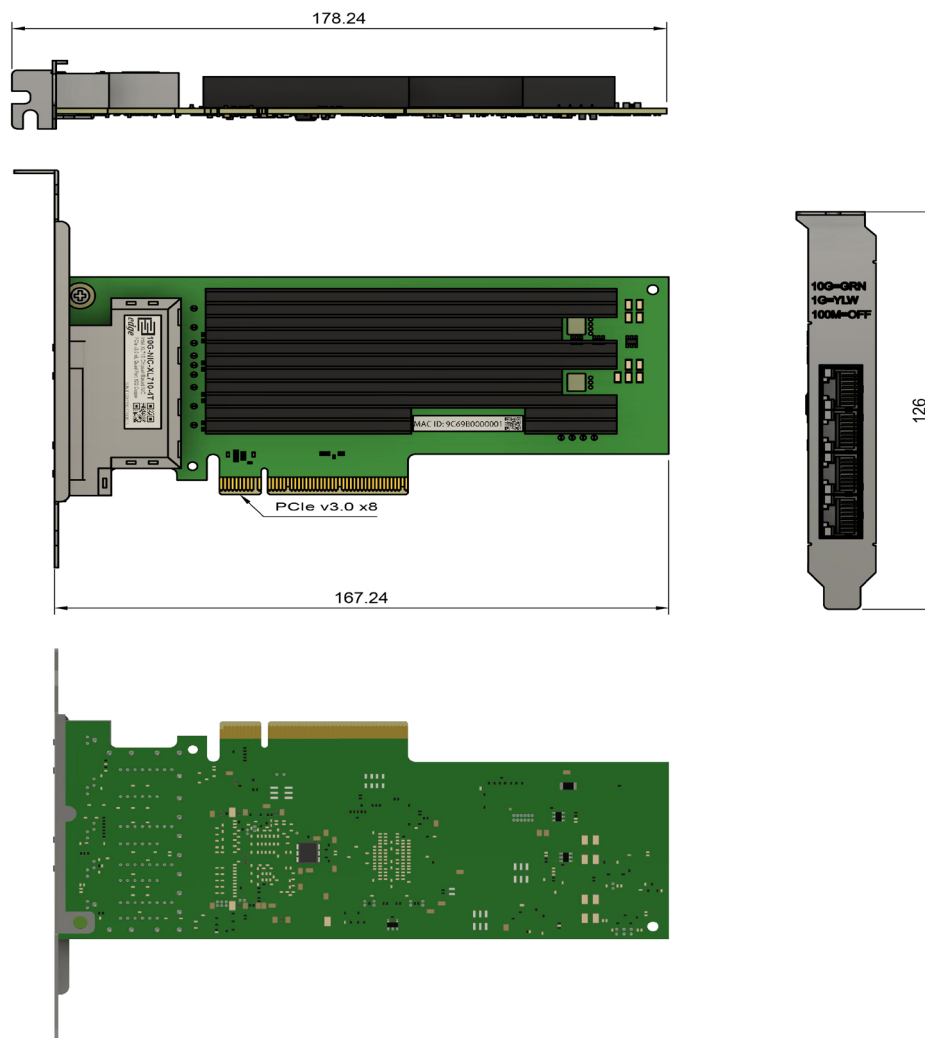


Product Specification:

Parameter	Value
Product type:	Network Interface Cards
NIC Category:	Quad Port 10G Copper RJ-45 PCIe
Controller:	Intel® XL710
Controller type:	Ethernet
Connector type:	RJ45
Number of ports:	4
Data rate per port:	10/1GbE
Interconnection Distance:	CAT6 up to 55 m; CAT6A up to 100 m
Bus interface:	PCIe v3.0 x8
Bus transfer rate:	8GT/s
Storage Over Ethernet:	iSCSI, NFS
Clock:	Time Sync (IEEE 1588*, 802.1as)
Network Operating Systems (NOS):	<ul style="list-style-type: none"> Windows 64-bit: 2012, 2012 R2, 2016, 2019 Linux: RHEL 6.x/7.x, SUSE 11.x/12.x, Ubuntu 14.x/16.x FreeBSD: 10.x/11.x
LED Status Indicators:	<ul style="list-style-type: none"> LINK (solid) and ACTIVITY (blinking) LINK SPEED (green=10 Gbps; yellow=1 Gbps)
Power:	<ul style="list-style-type: none"> Power consumption (max): 10G=28.0W, 1G=18.1W, 100Mbps=14.0W Operating voltage: 3.3V and 12V
Environmental Specifications:	<ul style="list-style-type: none"> Operating temperature: 0 °C to 55 °C Air Flow Minimum 10-30m=200-425 LFM, 100m=350-400 LFM Storage temperature: -40 °C to 70 °C Relative Humidity: 5% to 90% (non-condensing)
Physical Characteristics:	<ul style="list-style-type: none"> Dimensions (W x H): 146mm x 69mm Ships with low-profile bracket attached to interface card. Standard bracket included in packaging.
I/O, Virtualization, Manageability and Advanced Software Features:	As per NIC controller
Compliance:	CE, FCC, ROHS



Mechanical Dimensions:



Compatibility:

EDGE Optic 10G-NIC-XL710-4T can be used as a compatible alternative for many Network Interface Cards which are manufactured by Intel, HPE, Dell, Lenovo, IBM, Cisco, Broadcom, Marvel, Qlogic, Emulex, Mellanox, Supermicro, Allied Telesis, Chelsio, Dlink, Silicom, Solarflare, Startech and others brands.

If Network Interface Card from these brands use same Intel® XL710 Controller, EDGE Optic 10G-NIC-XL710-4T Card is 100% compatible alternative. Additionally if other manufacturer Network Interface Card has similar main technical characteristics, 10G-NIC-XL710-4T can be used as a compatible alternative.

For any questions will 10G-NIC-XL710-4T be compatible with your server or will it work as 100% alternative for your current Network Interface Card please write us to: sales@edgeoptic.com



Drivers:

10G-NIC-XL710-4T card use Intel® XL710 Controller. Before using please acquire latest Intel® Ethernet Adapter Complete Driver Pack. Please follow this link to do so: <https://downloadcenter.intel.com>

Warranty:

EDGE Optic's provides a limited warranty for **sixty (60)** months from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship.

