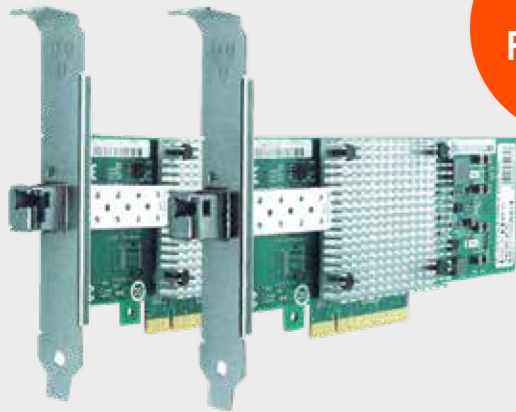# LNG9801BF-TX/RX

PCI EXPRESS X8 10 GIGABIT ONE-WAY TRANSMISSION ETHERNET SERVER ADAPTER (BASED ON INTEL 82599)

KEY FEATURES

- One-way 10 Gigabit adapters
- PCI Express (PCIe) v2.0, 5 GT/s, x8 lanes
- Single LC Connectivity
- PXE boot
- Network Virtualization
- Data Plane Development Kit (DPDK) support
- Excellent small packet performance for network appliances and Network Functions Virtualization (NFV)
- Low profile and full-height bracket

OVERVIEW

LNG9801BF-TX/RX 10 Gigabit one-way Transmission Fiber Server Adapters are composed by Transmit network card and receive network card, connecting by one-way LC fiber patch cord. They are the most flexible and scalable Ethernet adapters to meet the demands of data center environments. Data center networks are being pushed to their limits. The escalating deployments of servers with multi-core processors and demanding applications such as High Performance Computing (HPC), database clusters, and video-on-demand are driving the need for 10 Gigabit connections. Customers require flexible and scalable I/O solutions to meet the rigorous requirements of running mission-critical applications in virtualized and unified storage environments.

SPECIFICATIONS

Controller	Intel 82599
Transmission Rate Per Port	10G
Network Standard Physical Layer Interfaces	Single LC Fiber Optic Patch Cable
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0°Cto55 °C (32 °F to 131 °F)
Boot Option and Virtualization	VXLAN, MACinUDP, NVGRE, IPinGRE
LED Indicators	ACK Yellow and Link Green
Operating System Support	Windows Server 2003 / 2008 / 2008 R2 / 2012 / 2012 R2 / 2016 R2 Windows 7/8/8.1/10 Linux Stable Kernel version 2.6.32/3.x/4.x or later VMvare ESX/ESXi 4.x/5.x/6.x or later

ORDERING INFORMATION

Model	Description
LNG9801BF-TX	PCI Express x8 10 Gigabit One-way Transmit Ethernet Server Adapter Intel 82599 Based (1*LC SM)
LNG9801BF-RX	PCI Express x8 10 Gigabit One-way Receive Ethernet Server Adapter Intel 82599 Based (1*LC SM)