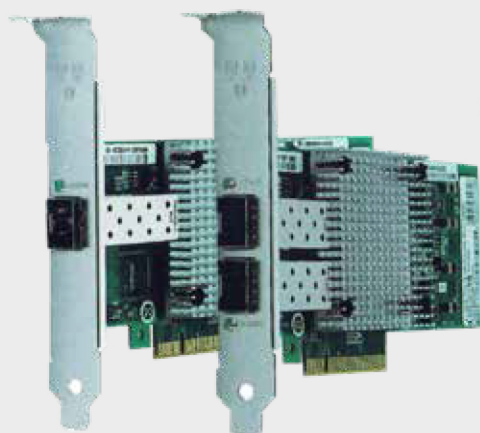# LNG9801BF-SFP+ / LNG9802BF-2SFP+

PCI-EXPRESS X8 SINGLE / DUAL PORT SFP+ 10 GIGABIT ETHERNET SERVER ADAPTER (BASED ON INTEL 82599)

KEY FEATURES

- Single / Dual Port 10 GbE adapters
- PCI Express 2.0 (5 GT/s)x 8 lanes
- SFP+ Connectivity
- Network Virtualization
- PXE,FCoE,iSCSI remote boot support
- IEEE 802.3ad and 10G Ethernet specification compliance
- Data Plane Development Kit (DPDK) support
- Multiple Queues: 128 Tx and Rx queues per port
- Low profile and full-height bracket

OVERVIEW

LNG9801BF-SFP+/ LNG9802BF-2SFP+ is a PCIe x8 2.0 10Gbps Single/Dual Port Ethernet Fiber Server Adapter based on Intel 82599 Chipset. The design of this server adapter card is mainly for servers and high-end devices, 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.The Server Adapter LNG9801BF-SFP+/ LNG9802BF-2SFP+ Provides a number of hardware optimization features including I/O virtualization, and supports a unified network, transforming the data center with outstanding reliability, scalability, and mobility. It can also support iSCSI guide and iSCSI WOL.

SPECIFICATIONS

Controller	Intel 82599
Transmission Rate Per Port	10GbE
Network Standard Physical Layer Interfaces	10GBASE-SR 10GBASE-LR 10G SFP+DAC/AOC
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0°Cto 55 °C (32 °F to 131 °F)
Network Virtualization	VLAN, VLAN tag, VXLAN, NVGRE, GENEVE,VLMB
LED Indicators	10Gb/s= ACK Yellow and Link Green
Operating System Support	Windows Server 2003 / 2008 R2 / 2012 / 2012 R2 / 2016 R2 Windows 7/8/8.1/10 Linux Stable Kernel version 2.4.x / 2.6.x/3.x/4.x or later VMware ESX/ESXi 4.x / 5.x / 6.x or later

ORDERING INFORMATION

Model	Description
LNG9801BF-SFP+	PCI-Express x8 Single Port Gigabit Ethernet Server Adapter Intel 82599 Based (1 *SFP+)
LNG9802BF-2SFP+	PCI-Express x8 Dual Port Gigabit Ethernet Server Adapter Intel 82599 Based (2*SFP+)
LNG8510-X3ATL	SFP+ Duplex 10Gbps 3.3V Multi-Mode Transceiver ,850nm 0.3km
LNG1310-10ATL	SFP+ Duplex 10Gbps 3.3V Single-Mode Transceiver, 1310nm , 10km
SFP+-10G-CUxM	10G SFP+ DAC (Direct Attached Cable) 1M,3M,5M,10M
SFP+-AOC-3M	10 Gigabit Active Optical Cable Assembles 3m