

LNG9901BF-QSFP+/LNG9902BF-2QSFP+

PCI EXPRESS X8 SINGLE / DUAL PORT 40 GIGABIT ETHERNET SERVER ADAPTER (BASED ON INTEL XL710)



KEY FEATURES

- Single/Dual Port 40 GbE adapter
- PCI Express 3.0 (8.0 GT/s) x8 lanes
- Q.SFP+Connectivity
- Network Virtualization
- iSCSI,PXE,DPDK support
- Flexibility for LAN and SAN networks,
- MSI-X supports Multiple Independent Queues, 1,536 Tx and Rx queues per port
- Low profile and full-height bracket

OVERVIEW

LNG9901BF-QSFP+/LNG9902BF-2QSFP+is a PCIe x8 40Gbps Single-Port/Dual-Port Fiber Sever Ethernet Adapter based on Intel XL710 chipset, and is compatible with PCIe xl6 slot. In addition to managing MAC and PHY Ethernet layer functions, the controller manages PCI Express packet traffic across its transaction, link, and physical/logical layers. Using hardware acceleration, the controller offloads tasks from the host, such as TCP/UDP/IP checksum calculations and TCP segmentation. The product of this series is the ideal solution for implementing multiple network segments, mission-critical high-powered networking applications and environments within high performance servers.

SPECIFICATIONS

Controller	Intel XL710
Transmission Rate Per Port	40 Gbps
Network Standard Physical Layer Interfaces	40GBASE-SR4/LR4 40GbEQSFP+ AOC/DAC
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0 °C to 55 °C (32 °F to 131 °F)
Network Virtualization	VXLAN,NVGRE,Geneve,Network Service Headers (NSH),VEPA,VEB
LED Indicators	40Gbps:Yellow LINK on; Blue ACT blink
Operating System Support	Windows Server 2008 R2 / 2012 / 2012 R2 / 2016 R2 Windows 7/8/8.1/10 Linux Stable Kernel version 2.6.x / 3.x / 4.x or later VMware ESX/ESXi 5.x/6.x or later

ORDERING INFORMATION

Model	Description
LNG9901BF-QSFP+	PCI Express x8 Single Port 40 Gigabit Ethernet Server Adapter Intel XL710BM1 Based (1*QSFP+)
LNG9902BF-2QSFP+	PCI Express x8 Dual Port 40 Gigabit Ethernet Server Adapter Intel XL710BM2 Based (2*QSFP+)
LNGQ8540-X1ATM	40GBASE-SR MMF Up to 100M
LNG1340-10ATM	40GBASE-LR SMF Up to 10KM
QSFP+AOC-xM	QSFP+ to QSFP+ AOC IM, 2M,3M...
QSFP+-4xSFP+-xM	QSFP+ to 4xSFP+ AOC IM, 2M,3M...