

LNG9712HT-BP

PCI EXPRESS X 4 COPPER ONE GROUP BYPASS GIGABIT SERVER ETHERNET ADAPTER (BASED ON INTEL I350)



KEY FEATURES

- Dual Port 10/100/1000Mbps Bypass adapter
- PCI Express (PCIe) v2.1(5.0GT/s) x4 lanes
- RJ45 Connectivity
- PXES iSCSI boot
- Network Virtualization
- Support PCI-SIG Single-Root I/O virtualization
- Software programmable Bypass
- Support Direct Cache Access (DCA)
- Supports Vital Product Data (VPD)
- Low Profile and Full Height Bracket

OVERVIEW

LNG9712HT-BP is a PCIe x4 Gigabit Copper One Group Bypass Ethernet Adapter based on Intel I350 chipset, compatible with PCIe x8 and xl6 slot.

In Normal mode, the ports are independent interfaces. In Bypass mode, all packets received from one port are transmitted to adjacent port. In Disconnect mode, the adapter simulates switch I rout cable disconnection. In Bypass mode, the connections of the Ethernet ports are disconnected from the system and switched over to the other port to create a crossed connection loop-back between the Ethernet ports. Hence, in bypass mode all packets received from one port are transmitted to the adjacent port and vice versa. This feature enables to bypass a failed system and provides maximum up time for the network. In Disconnect mode, the adapter simulates switch / router cable disconnection. In Disconnect mode, the switch / router does not detect link partner of the adapter.

SPECIFICATIONS

Controller	Intel I350
Transmission Rate Per Port	10/100/1000Mbps
Network Standard Physical Layer Interfaces	10BASE-T: Cat3/4/5/5e/6 or higher up to 100m I00BASE-Tx: Cat5/5e/6 or higher up to 100m 1000BASE-T:Cat 5e or higher up to 100m
Jumbo Frame Support	Up to 9.5 KB
Operating Temperature	0°C to 45 °C (32 °F to 113 °F)t
Boot Option and Virtualization	PXE support, Intel® VT-c
LED Indicators	100Mbps:Green LINK on;1000Mbps:Yellow LINK on Bypass:Green blink;Disconnect:Yellow blink
Operating System Support	Windows Server 2003 / 2008 /2008 R2 / 2012 /2012 R2 /2016 R2 Windows XP / Vista / 7 / 8 / 8.1 / 10 Linux Stable Kernel version 2.4.x / 2.6.x / 3.x / 4.x or later Linux SLES 9 / 10 / 11 or later VMware ESX/ESXi 4.x/5.x/6.x or later

ORDERING INFORMATION

Model	Description
LNG9712HT-BP	PCI Express x 4 Copper One Group Bypass Gigabit Server Ethernet Adapter Intel.I350 Based (2*RJ45)