

## PE2G4BPI80L Bypass网卡

产品名称	PE2G4BPI80L Bypass网卡
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## 产品详情

### PE2G4BPI80L

Quad Port Copper Gigabit Ethernet PCI Express Gen 2.0 Bypass Server Adapter Intel 82580 Based

Silicom 's Quad Port Copper Gigabit Ethernet PCI Express Bypass server adapter is a PCI-Express X8 network interface card that contains four ports on a PCI-E adapter.

Silicom 's Quad Port Gigabit Ethernet Bypass server adapter supports Normal, Disconnect and Bypass modes. 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 / 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. Silicom ' s Quad Port Copper Gigabit Ethernet PCI Express Bypass server adapters include an on board WDT (Watch Dog Timer) controller. The adapter ' s software drivers or software application can write commands to the on board WDT controller. The adapter ' s software drivers, WDT controller and the Bypass circuitry provide an interface that control and manage the mode of the adapter.

Silicom ' s Quad Port Copper Gigabit Ethernet PCI Express Bypass server adapters are based on Intel 82580EB Ethernet controller with quad fully integrated Gigabit Ethernet Media Access Control (MAC) and PHY. 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.

Silicom ' s Quad Port Copper Gigabit Ethernet PCI Express Bypass server adapters are the ideal solution for implementing multiple network segments, mission-critical high-powered networking applications and environments within high performance servers.