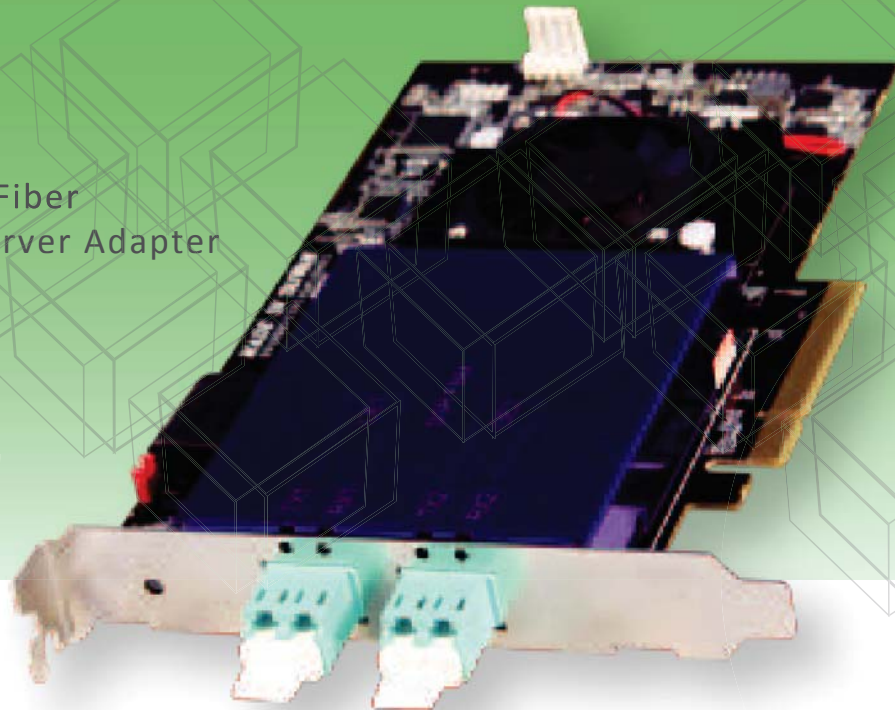


BPC-54120

The Next Generation Dual Port Fiber
10GBASE-SR Ethernet Bypass Server Adapter



Solutions

The new **Portwell** dual port one pair segment bypass card, BPC-51240 uses the latest Fiber Bypass Module with board-to-board high speed connection technology instead of exposing wired design. This new special Fiber Bypass Module design can support higher throughput performance, longer product life, and more reliable network traffic than other fiber bypass card in the market.

The BPC-54120 supports and leverages the Intel Ethernet controller 82599ES (Niantic), which provides Pv6 Offloading, Receive Side Scaling (RSS), and Direct Cache Access., Time Sync (IEEE 1588*,802.1as), and Jumbo Frame functions. The BPC-54120 through Intel® SR-IOV technology supports virtual machine software including VMware, Microsoft, Citrix, Oracle and others.

The BPC-54120 is targeted to high-end server appliance and inline network system that maintains network connectivity when system fails or loss of power. The BPC-54120 provides a complete solution by Portwell Generation 3 Bypass function which supports Normal Mode, Bypass Mode, and Open Mode when system crash or power failure.

Key Features

- Dual port 10GbE Fiber Bypass Module
- Board-to-board high speed connection technology
- Durable hardware design
- **Portwell** Generation 3 Bypass
- Software programmable modes: Normal, Bypass, and Open mode
- WDT security monitor function
- Next Boot Bypass function
- Intel® VMDq function
- Jumbo frames up to 16Kb
- iSCSI boot
- PCI-SIG SR-IOV
- Fiber Channel frames over Ethernet
- MacSec IEEE 802.1ae
- Support Direct Cache Access (DCA)



Hardware specification

OS Support	Windows, Linux 2.4, 2.6
Interface	PCI Express x8 V2.0(5GT/s)
Dimension (W x D x H)	100 x 168 x 15mm
Holder	Metal Bracket
LAN Controller	Intel 82599ES Niantic
Operating Temp	5 ~ 45 °C
Operating Humidity	20 ~ 90% RH
IEEE Compliant	IEEE 802.3
Ethernet of Ports	Dual 10 GBASE-SR fiber ports
Certification	FCC, CE
Launch Date	Dec. 2012

Ordering Guide

Model	Part Number	Description
BPC-54120	AI3-3325	Dual Fiber Ports 10GBase-SR Bypass Network Adapter