



Multi-Segment Bypass Switch 4 Station Fiber with Heartbeat™

The Multi-Segment Bypass Switch provides a 1U, high density, access solution for in-line network security appliances. Each of the 4 stations operates independently to ensure link protection monitoring of one to four critical network links at any one time. Individual and multi-segment IPS appliances can be connected, maintained or removed without affecting the operation of the remaining stations.

An exclusive Heartbeat feature monitors link status between the Bypass and monitoring tools for enhanced reliability. A configurable Heartbeat packet is injected into the monitor port link to help determine delay due to heavy traffic loads or the availability of attached monitoring tools. For instance, the Bypass Switch can automatically switch network traffic around an unresponsive IPS appliance even if the IPS is still powered on. Once the IPS re-establishes a connection, traffic is re-routed to the monitor port for continued operation.

For added reliability, each of the stations feature active fail-open network link technology. In the event of power loss to the Bypass Switch, traffic continues to flow through the network links, but is no longer routed to the monitoring tools. Additionally, redundant power supplies are a standard feature.

Passive, Secure Technology

- Fail-safe monitoring with any Gigabit fiber in-line monitoring tool
- Increased reliability on critical network links
- High-speed forwarding with minimal traffic interruption
- Redundant power ensures monitoring uptime
- Protects against abnormal traffic patterns

Ease of Use

- LED indicators show power, speed, link, and activity status
- Front-mounted connectors support easy installation and operation
- Compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems
- High density 1U rack enclosure



Technical Specifications:

Operating:

Operating Temperature: 0°C to 40°C

Storage Temperature: -10°C to 70°C

Relative Humidity: 10% min, 95% max, non-condensing

Mechanical:

Power Supply:

Input: 100-240V, 0.5A, 47-63Hz

Output: 12V 10A

Dimensions: 1.75" high x 11.5" deep x 19" wide

Splitter:

Fiber Type:

Multimode: Corning 50 or 62.5/125µm, 850nm wavelength
Insertion Loss: Network Port: 1.25 dB, Monitoring Port: 1.25 dB

Singlemode: Corning 8.5/125µm, 1310nm wavelength
Insertion Loss: Network Port: 1.25 dB, Monitoring Port: 1.25 dB

Connectors:

Per Segment Monitoring Ports: (2) Duplex LC connectors

Per Segment Network Ports: (2) Duplex LC connectors

Certifications:

Fully RoHS compliant

Part Number	Description
BPO4-HBSX-LC	4 Segment GigaBit Fiber Bypass Switch multimode
BPO4-HBLX-LC	4 Segment GigaBit Fiber Bypass Switch singlemode
BPO4-HB2SX/2LX	4 Segment GigaBit Fiber Bypass Switch multimode and singlemode
BPO4-HB250SX/2LX	4 Segment GigaBit Fiber Bypass Switch multimode and singlemode, 50um
BPO4-HB50SX-LC	4 Segment GigaBit Fiber Bypass Switch multimode, 50um

All products include a 1 year manufacturer's warranty. An additional 1 or 2 year extended warranty may also be purchased.