

Ixia Multi-Segment Copper Bypass Switch

The Ixia Multi-Segment Copper 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 switch 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.

Highlights

- Fail-safe monitoring with any 10/100/1000 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
- 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 prevention/detection systems
- High density 1U rack enclosure



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 7A Dimensions: 1.75" high x 11.5" deep x 19" wide
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Cable Interface	
Copper Cable Type	22-24 AWG unshielded twisted pair cable, CAT5/CAT5E
Link Distance Supported	100 meters
Connectors	
Per Segment Monitoring Ports	(2) RJ45, 8 pin connectors
Per Segment Network Ports	(2) RJ45, 8 pin connectors
Certifications	
	Fully RoHS compliant

Ordering Information

BP4-HBCU3

4 Segment 10/100/1000 Bypass Switch

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

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