

# 10/100/1000 Bypass Switch with Heartbeat™



Net Optics 10/100/1000 Bypass Switches with Heartbeat™ provide permanent and trouble-free access ports for in-line network security and monitoring devices. The Bypass Switch automatically switches network traffic through added in-line devices or bypasses devices that are about to be removed. With a heartbeat, the 10/100/1000 Bypass Switch protects network traffic against link, application, and power loss on the attached in-line device.

The 10/100/1000 Bypass Switch with Heartbeat monitors the link to the attached in-line device by sending a heartbeat packet to the device once every second. If the Bypass Switch does not receive the heartbeat back, Fast Path™ switching automatically diverts network traffic to bypass the unresponsive device — even if the device is still receiving power. The Bypass Switch continues to send the heartbeat and restores the traffic through the in-line device as soon as the link is restored.

Each 10/100/1000 Bypass Switch includes all the cables and power supplies necessary to connect to an IPS. For special applications, the bypass trigger, heartbeat rate, and heartbeat packet can be customized from an RS232 command line interface.

## Passive, Secure Technology

- Fail-safe monitoring with any 10/100/1000 GigaBit in-line appliance
- Increased reliability on critical network links
- High-speed Fast Path™ switching with minimal traffic interruption
- Link Fault Detect prevents undetected link failures
- Customizable behavior via command line interface

## Ease of Use

- LED indicators show power, speed, link, and activity status
- Front-mounted connectors support easy installation and operation
- Cables included for plug-and-play deployment
- Silk-screened application diagram illustrates all connections for easy deployment
- Optional 19-inch rack frames holds two Bypass Switches
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems



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## Operating Specifications:

Operating Temperature: 0°C to 55°C

Storage Temperature: -10°C to 70°C

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

## Mechanical Specifications:

### Power Supply:

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

Output: 12V 3A

Dimensions: 1.125" high x 10" deep x 6.5" wide

## Cable Interface:

### Copper Cable Type:

22-24 AWG unshielded twisted pair cable, CAT5/CAT5E

Link Distance Supported: 100 meters

## Connectors:

Monitoring Ports: (2) RJ45, 8 pin connectors

Network Ports: (2) RJ45, 8 pin connectors

## Certifications:

Fully RoHS compliant

Part Number	Description
BP-HBCU3	10/100/1000 Bypass Switch w/Heartbeat
RK-2V2	Two-Slot Rackmount Frame

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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