

IXIA IBYPASS 2

1G COPPER BYPASS SWITCH FOR FAIL-SAFE DEPLOYMENT

Ixia iBypass 2 is an intelligent bypass switch that provides protection of network links for inline tool deployments. The iBypass 2 is tool agnostic and can be deployed with any variety of inline security or monitoring tools, from intrusion prevention systems (IPS) to web application firewalls (WAF), allowing for network protection in any deployment scenario.

FAIL-SAFE INLINE TOOL DEPLOYMENT

Deployment of any inline tool in the network carries the risk of the tool becoming a point of failure. Should the inline tool become unavailable, it can bring the network link down, making a critical segment of the network unavailable and affecting uptime. To avoid this risk, customers need a fail-safe solution that can protect the network from tool failures while allowing inline tools to protect the network from incoming threats.

The iBypass addresses this need by sitting in front of any inline security or monitoring tool and guaranteeing network availability. The iBypass serves as a bridge between the network and the inline tool. It lets the inline tool inspect and control network traffic as needed while protecting the network from failures within the tool itself.

The iBypass Switch product line provides protection against power, link, and application loss through the use of Heartbeat packets and network intelligence.



Automatic Protection and Recovery

The iBypass continuously checks the responsiveness of the inline tool by transmitting Heartbeat packets, on the monitor links, and expecting to receive those packets back. If the iBypass detects that the tool is not responding, by not receiving the Heartbeat packet(s), it will bypass the inline tool, effectively removing it

HIGHLIGHTS

- One millisecond Heartbeat resolution
- Guarantees network availability when deploying inline tools
- Forced Bypass, and Bypass Off (no auto-recovery)
- Full configuration access through the user-friendly Web UI, CLI, and SNMP interface
- Bi-Directional Heartbeats
- View size and time of peak traffic
- Remote management through SSHv2, Web UI (HTTPS) and SNMP Browsers
- SNMPv2c and SNMPv3 supported
- SNMP traps indicate status changes for system, link, power, and threshold
- Audit logs collect user and system changes
- RMON Statistical Counters
- Field upgradable software and firmware
- ProPush enabled
- View status for power, link, activity, and utilization alarms
- Management and network cables included
- LCD display

from wire preventing any lost traffic or network exposure. Should this happen, the iBypass issues an SNMP alert to indicate that the tool became unavailable, allowing network or security personnel to take the appropriate actions.

The iBypass will continue to send out Heartbeat packets to the inline tool, even if the tool has stopped responding. As soon as the tool becomes operational again, the iBypass will automatically re-route traffic back through the tool so that the tool may resume monitoring and/or protecting the network.

SMART MANAGEMENT

The iBypass 2 is a fully managed device and allows the user to view and change settings through a user-friendly Web UI and CLI. In the event there are system or user changes, they are captured in the audit logs. In addition, SNMP traps are generated for critical events for power, link, or bypass state changes.

The iBypass 2 comes with different LED indicators for power, link, bypass status, and utilization threshold alarms. The LCD provides peak and real time network utilization information for both of the network ports, enhancing local, on-site, device monitoring options.

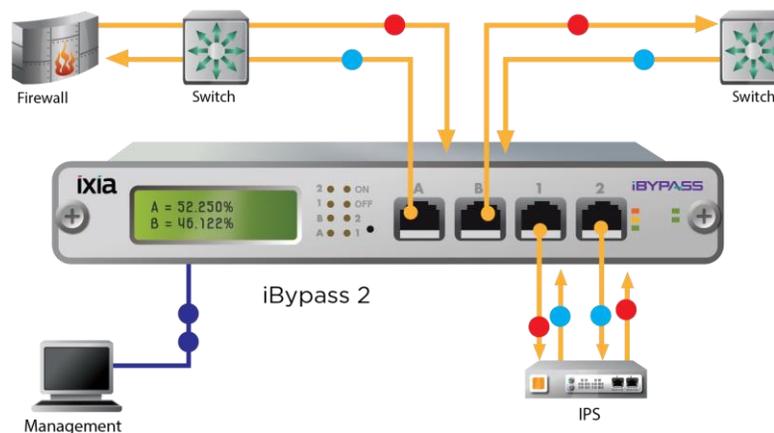
The iBypass 2 comes with the Remote Monitoring (RMON) statistics and Pro Push capabilities, which provides the ability to push RMON traffic statistics to network management systems. This enables the 40G iBypass to provide greater visibility into the network while simplifying your deployment options.

The iBypass 2 is integrated into the Indigo Management Platform, which is a highly versatile tool for managing and monitoring the multitude of Ixia devices from a single screen. The easy-to-use graphical user interface makes configuring multiple iBypass Switches simple.

FLEXIBLE DEPLOYMENTS

Having an iBypass Switch deployed in front of inline tools provides greater deployment flexibility. The iBypass 2 provides the user with up to six different functional modes Fail Open, Fail Closed, Force Bypass On Fail Open, Force Bypass On Fail Closed, Force Bypass Off, and Tap mode.

Since the iBypass is external to the security or monitoring, the tool can be taken out, or brought down, for maintenance, the bypass mode can be Forced On to bypass the inline tool. Once maintenance is complete, the iBypass is then be configured to route traffic back through the upgraded or replaced tool.



SPECIFICATIONS

ENVIRONMENTAL	
Operating Temperature	0°C to 40°C
Relative Humidity	10% min, 95% max, non-condensing
NON-OPERATING	
Storage Temperature	-10°C to 70°C
Relative Humidity	10% min, 95% max, non-condensing
MECHANICAL	
Dimensions	1.35" high, 11.0" deep, 8.75" wide
Weight	2.15 lbs
ELECTRICAL	
AC Power Input	100-240VAC, 0.5A, 47-63Hz
External Power Supply	Output: 3.3A @ 12VDC (2) Power Supply
INDICATORS	
<ul style="list-style-type: none"> • (8) Link LEDs • (1) LCD • Power LEDs • Threshold Alarm LEDs 	
MANAGEMENT	
Interfaces: Serial Console	1 DB9
Interfaces: Management	1 RJ45 - Cat5e Port
Device Management	Web UI (HTTPS), Serial Console, SSHv2, SNMPv2, SNMPv3, Remote Software Upgrades

NETWORK/MONITOR INTERFACE	
Network	2 x Cat5e RJ45 Ports
Monitor	2 x RJ45 Cat5e Ports
CERTIFICATIONS	
Fully RoHS compliant	
Regulatory Certifications	UL, CB, CE, FCC

ORDERING INFORMATION

I2BP-CU3

iBypass 2, Copper, 10/100/1000

Rack Mount

RK-iTP2

Rackmount Panel 19"

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