Quick Install Guide

iBypass 3
Copper

I3BP-CU3
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iBypass 3 Switch Content

This guide provides the initial steps to set up and configure the Ixia Net Optics iBypass 3 Switch. The iBypass 3 product is shipped with the following components:

- iBypass 3 Switch
- 3-meter RJ45 CAT5e 4-Pair (Purple) cable
- 6-ft. RJ45-DB9 console crossover cable
- Two external power cords
- iBypass 3 Switch Quick Install Guide (this document)
- iBypass 3 Switch User Guide (on CD)
- End user license agreement
- Extended Warranty (if purchased)

Network cables, monitor cables and rack mount front panel kit can be ordered separately.

Check the packing slip against parts received. If any component is missing or damaged, contact our Order Management department via email at Order-Management@ixiacom.com or if this is a Demo unit, contact Demo@ixiacom.com.
iBypass 3 Switch Overview

RJ45 network ports (2), RJ45 monitor ports (2), and system LEDs.

Figure 1. Front View

RJ45 management port, RJ45 console port and 2 power supplies.

Figure 2. Rear View
**Step 1**

**Rack Mount iBypass 3 Switch**

Install the iBypass 3 Switch into a standard 19-inch equipment rack. The switch is designed to occupy within one rack unit. Do the following to install the iBypass 3 Switch into an equipment rack:

1. Attach the Rack Mount Panel (if you ordered one) to the rack using the supplied screws.
2. Slide the iBypass 3 Switch into an open slot on the Rack Mount Panel.
3. Tight fasten the iBypass 3 into the rack with thumbscrews.

![Rack Mount Panel](image)

**Figure 3. Rack Mount**
Step 2
Connect Power

1. Connect one of the included power cords to one of the power connectors on the back of the unit. Connect the other end to a power source.

2. For redundancy, connect the second power cord to the second connector. Connect the other end to a different power source.

3. Verify that the power LEDs illuminate on the front panel.

Figure 4. Power Connections
Initial Configuration using Console Port

The iBypass 3 switch is initially configured with default values, including a default management IP address of 10.60.4.180. However, you must change the management address in order to access the iBypass switch remotely. Use a console connection to access the CLI to change the management IP address.

Switch Default Settings

The iBypass 3 Switch ships with the following default system settings:

| Management Port IP: 10.60.4.180 | Threshold Ports A & 1: 80% |
| Management Port Netmask: 255.0.0.0 | Threshold Port B & 2: 80% |
| Management Port Gateway: 10.0.0.1 | Username: admin |
| Port Speed (A, B, 1, and 2): Auto | Password: ixiacom |

Connect the console port to a PC and log into the CLI.

1. Connect a PC with terminal emulation software such as TeraTerm or PuTTY to the serial console port located on the back of the iBypass 3 switch with the supplied RJ45-DB9 cable. See Figure 5.
2. On the PC, launch the terminal emulation software.

3. Set the communication parameters to the following:
   - 115,200 baud
   - 8 data bits
   - No parity
   - 1 stop bit
   - No Flow Control

4. At the login prompt, enter **admin** for the username and **ixiacom** for the password. The prompt displays.
**Step 4**
**Configure Management IP Address**

Do the following to configure the management IP address of the iBypass 3 switch:

1. At the CLI prompt, assign an IP address within your local network using the `set network IP address` command. For example:
   
   ```
   Ixia > set network IP address 10.11.112.122
   Set Static network mode: Done - Changes will be applied only after reboot!
   ```

2. Configure the network gateway address using the `set network gateway` command. For example:
   
   ```
   Ixia > set network gateway 10.11.0.1
   Set Static network mode: Done - Changes will be applied only after reboot!
   ```

3. Configure a subnet mask for the network using the `set network netmask` command. For example:
   
   ```
   Ixia > set network netmask 255.255.254.0
   Set Static network mode: Done - Changes will be applied only after reboot!
   ```

4. Reboot the iBypass switch to apply your changes. For example:
   
   ```
   Ixia > reboot host
   ```
Step 5
Connect the Management Port

Connect the management port to a network switch or router, using the supplied Ethernet cable. This connection enables you to log into the iBypass switch remotely.

Figure 6. Management Connection
Step 6
Connect the Network Ports

Use Ethernet cables to connect the network ports to a network device.

1. Connect Network Port A to a network device.
2. Connect Network Port B to another network device.
3. Verify that the ports are in-line between the network devices and that the link LEDs are flashing. This indicates that traffic is passing through the iBypass 3 switch.

Figure 7. Connect to Networks
Step 7
Connect the Monitor Ports

Connect these ports to monitor tools, such as an Intrusion Prevention System (IPS), so that the tool can receive the traffic ingressing the Network ports.

1. Connect monitor port 1 to a monitoring tool.
2. Connect monitor port 2 to the same monitoring tool.
3. Verify that the monitoring tool is receiving traffic from the iBypass 3 switch.

Figure 8. Connect Monitoring Ports
Step 8
Access the iBypass 3 Web UI

You can access the iBypass 3 Web UI, through a browser, to view status and set configuration values. There are three default user accounts that are shipped with the system: **admin**, **operator** and **user**. Each of these accounts initially has the password, **ixiacom**. It is up to the system administrator to change the passwords. To maintain security, log into the system and change the passwords to those three default accounts. The default user accounts cannot be deleted.

1. Open a Web browser on your computer.
2. Enter the IP address you assigned to the iBypass 3 switch in the URL field preceded with https://.

![Login Page](image)

3. Enter the default user name **admin**.
4. Enter the default password **ixiacom**.

Figure 9. Login Page
5. Click the **Log In** button. The Home page displays, showing the front panel of the switch.

![Home Page](image)

### Figure 10. Home Page

6. For security, click the Admin tab and change the password of the admin user. The default admin user cannot be deleted.
If you have questions while your product is under warranty or you are enrolled in a support plan, please contact one of Ixia’s Technical Assistance Centers (TACs) by phone or e-mail.

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