

HP 508090-001 PROCURVE 6120G/XG

HP 508090-001 PROCURVE 6120G/XG Blade Switch User Manual

Model: 508090-001 PROCURVE 6120G/XG

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the installation, operation, and maintenance of the HP 508090-001 PROCURVE 6120G/XG Blade Switch. This device is a Layer 3 managed switch designed for network environments requiring high performance and flexible connectivity.

The HP ProCurve 6120XG Blade Switch is equipped with 4 10/100/1000 ports, 2 SFP ports, and 2 open module slots, offering versatile connectivity options for various network configurations.

2. PRODUCT FEATURES

- **Managed Layer 3 Switching:** Provides advanced network management capabilities and routing functions.
- **Port Configuration:** Features 4 x 10/100/1000 Ethernet ports for standard network connections.
- **SFP Ports:** Includes 2 x SFP ports for fiber optic or other SFP module connections, enabling high-speed uplinks or longer distances.
- **Open Module Slots:** Equipped with 2 open module slots for future expansion and customization.
- **Compact Design:** Designed as a blade switch for integration into compatible blade enclosures.

3. SETUP AND INSTALLATION

Follow these general steps for the safe and proper installation of your HP ProCurve 6120G/XG Blade Switch. Always refer to your blade enclosure's documentation for specific installation procedures.

1. **Unpacking:** Carefully remove the switch from its packaging. Inspect for any signs of damage.
2. **Enclosure Preparation:** Ensure the blade enclosure is powered off and properly grounded before installation.
3. **Module Installation (Optional):** If using additional modules, insert them into the open module slots according to their specific instructions.
4. **Blade Insertion:** Slide the blade switch into an available slot in the compatible blade enclosure until it is securely seated.
5. **Power On:** Power on the blade enclosure. The switch will initiate its boot sequence.
6. **Initial Connection:** Connect a console cable to the switch's console port for initial configuration access.
7. **Network Cabling:** Connect Ethernet cables to the 10/100/1000 ports and SFP transceivers (if used) to the SFP ports as required by your network design.



Figure 3.1: Front panel of the HP ProCurve 6120G/XG Blade Switch. This image displays the 10/100/1000 Ethernet ports, SFP ports, console port, and status indicators.

4. OPERATING INSTRUCTIONS

The HP ProCurve 6120G/XG is a managed switch, meaning its full functionality is accessed and configured through a management interface. This typically involves a Command Line Interface (CLI) via the console port or a web-based Graphical User Interface (GUI).

- **Console Access:** Use a serial cable to connect a computer to the switch's console port. Configure your terminal emulator (e.g., PuTTY, Tera Term) with the correct serial settings (typically 9600 baud, 8 data bits, no parity, 1 stop bit, no flow control).
- **Initial Configuration:** Upon first boot or after a factory reset, you will typically be prompted to set up basic network parameters such as IP address, subnet mask, and default gateway. This allows the switch to be accessible over the network.
- **Web Interface (if available):** Once an IP address is configured, you may be able to access a web-based management interface by entering the switch's IP address into a web browser.
- **CLI Commands:** Utilize CLI commands for advanced configuration, including VLAN setup, port configuration, routing protocols, security settings, and monitoring. Refer to the comprehensive HP ProCurve documentation for a full list of commands.
- **Monitoring:** Regularly monitor switch status, port activity, and system logs to ensure optimal performance and identify potential issues.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and reliable operation of your blade switch.

- **Cleaning:** Periodically clean the exterior of the switch with a soft, dry, lint-free cloth. Ensure ventilation openings are free from dust and obstructions. *Do not use liquid cleaners or aerosols directly on the switch.*
- **Firmware Updates:** Check the official HP support website for available firmware updates. Keeping the firmware up-to-date can provide performance enhancements, new features, and security patches. Follow HP's specific instructions for firmware upgrade procedures.
- **Environmental Conditions:** Ensure the switch operates within its specified environmental ranges for temperature and humidity. Avoid exposing the switch to direct sunlight, excessive heat, or moisture.
- **Cable Management:** Maintain organized and secure network cabling to prevent accidental disconnections or damage.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, consult the official HP ProCurve documentation or contact support.

Problem	Possible Cause	Solution
No Power/Indicators Off	Blade not fully seated; enclosure power issue.	Ensure the blade switch is fully inserted into its slot. Verify the blade enclosure has power and is functioning correctly.
No Link Light on Port	Faulty cable; incorrect port configuration; connected device off.	Check the Ethernet or SFP cable for damage and ensure it is securely connected. Verify the connected device is powered on. Check port configuration on the switch.

Problem	Possible Cause	Solution
Cannot Access Management Interface	Incorrect IP address; network connectivity issue; console settings incorrect.	Verify the switch's IP address and your computer's network settings. Ensure console cable is connected and terminal emulator settings are correct. Ping the switch's IP address.
Slow Network Performance	Network congestion; duplex mismatch; faulty cabling.	Check network traffic. Verify duplex settings on the switch ports and connected devices. Inspect cables for damage.

7. SPECIFICATIONS

Key technical specifications for the HP 508090-001 PROCURVE 6120G/XG Blade Switch:

- **Model Number:** 508090-001
- **Brand:** HP
- **Type:** L3 Managed Blade Switch
- **Ports:** 4 x 10/100/1000 Ethernet, 2 x SFP, 2 x Open Module Slots
- **Compatible Devices:** Desktop (referring to the host system for the blade enclosure)
- **Item Weight:** 3.75 pounds (1.7 kg)
- **Package Dimensions:** 14.49 x 11.26 x 2.52 inches (36.8 x 28.6 x 6.4 cm)
- **ASIN:** B07MHWB4M8
- **UPC:** 034722815055, 090952141418
- **Date First Available:** January 5, 2019

8. WARRANTY AND SUPPORT

This HP 508090-001 PROCURVE 6120G/XG Blade Switch is listed as a "Renewed" product. Warranty coverage for renewed products typically varies by seller. Please refer to the specific warranty information provided by the seller, "Tech Original," at the time of purchase. For general product information and technical documentation, you can visit the official HP support website.

For technical assistance or further inquiries, consult the comprehensive documentation available from HP or contact their customer support channels.