## Axiom JG326A-AX

# Axiom 40GBASE-CR4 QSFP+ Passive DAC Cable (JG326A-AX) User Manual

Model: JG326A-AX

## 1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Axiom 40GBASE-CR4 QSFP+ Passive Direct Attach Copper (DAC) Cable, model JG326A-AX. This cable is designed for high-speed data transfer in networking environments, offering a reliable connection between compatible devices.

*Figure 1: Axiom 40GBASE-CR4 QSFP+ Passive DAC Cable (JG326A-AX). This image shows the red-colored cable with its QSFP+ connectors, designed for direct attachment between networking devices.*

## 2. SETUP AND INSTALLATION

The Axiom 40GBASE-CR4 QSFP+ Passive DAC Cable is designed for plug-and-play installation. Follow these steps to connect your cable:

1. **Verify Compatibility:** Ensure that both networking devices you intend to connect have compatible QSFP+ ports. This cable is specifically compatible with HP devices and other networking equipment supporting QSFP+ interfaces.

2. **Inspect Cable:** Before installation, visually inspect the cable and its connectors for any signs of damage. Do not use a damaged cable.

3. **Connect First Device:** Gently insert one end of the QSFP+ connector into the designated port on your first networking device. Ensure it clicks securely into place. Do not force the connector.

4. **Connect Second Device:** Insert the other end of the QSFP+ connector into the designated port on your second networking device. Ensure a secure connection.

5. **Secure Cable (Optional):** If necessary, use cable management solutions to secure the cable and

prevent accidental disconnections or damage.

Once connected, the devices should automatically detect the link and establish communication at 40 Gigabits Per Second, provided they are properly configured.

## 3. OPERATION

The Axiom 40GBASE-CR4 QSFP+ Passive DAC Cable operates by providing a direct electrical connection between two QSFP+ ports. It is a passive cable, meaning it does not require external power and relies on the host devices to drive the signal. Its primary function is to facilitate high-speed data transfer at a rate of 40 Gigabits Per Second (40Gbps) over short distances, typically within a rack or between adjacent racks in a data center environment.

- **Data Transfer Rate:** Supports 40 Gigabits Per Second.
- **Application:** Ideal for networking applications requiring high bandwidth and low latency connections.
- **Environment:** Suitable for both indoor and outdoor usage, though primarily designed for controlled data center environments.

No specific user interaction is required for the cable's operation beyond proper installation. The cable functions as a physical medium for data transmission.

## 4. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your Axiom QSFP+ DAC cable, follow these maintenance guidelines:

- **Handling:** Always handle the cable by its connectors, not by the cable itself. Avoid sharp bends, kinks, or excessive pulling, which can damage the internal conductors.
- **Cleaning:** Keep the QSFP+ connectors clean and free of dust and debris. Use a lint-free cloth or specialized cleaning tools to gently clean the connector surfaces if necessary. Avoid using harsh chemicals.
- **Storage:** When not in use, store the cable in a clean, dry environment, ideally in its original packaging or a protective bag. Keep connector caps on to prevent dust accumulation.
- **Environmental Conditions:** While rated for indoor/outdoor use, extreme temperatures, humidity, or direct exposure to harsh elements should be avoided to prevent degradation.

## 5. TROUBLESHOOTING

If you experience issues with your Axiom 40GBASE-CR4 QSFP+ Passive DAC Cable, consider the following troubleshooting steps:

| Problem | Possible Cause | Solution |
| --- | --- | --- |

| Problem | Possible Cause | Solution |
|---|---|---|
| No Link / Link Flapping | <ul><li>Improperly seated connectors.</li><li>Incompatible QSFP+ ports.</li><li>Damaged cable or connectors.</li><li>Device port configuration issues.</li></ul> | <ul><li>Ensure both QSFP+ connectors are fully and securely seated in their respective ports.</li><li>Verify that both connected devices support 40GBASE-CR4 QSFP+ DAC cables.</li><li>Inspect the cable and connectors for physical damage. Replace if damaged.</li><li>Check the configuration of the networking device ports. Refer to your device's documentation.</li></ul> |
| Reduced Performance | <ul><li>Cable length exceeding recommended limits for passive DAC.</li><li>Environmental interference.</li></ul> | <ul><li>Ensure the cable length is appropriate for your setup (this model is 1 meter). Passive DAC cables are for short distances.</li><li>Relocate the cable away from sources of strong electromagnetic interference.</li></ul> |

If the problem persists after attempting these solutions, please contact Axiom technical support or your product vendor for further assistance.

## 6. PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Brand** | Axiom |
| **Model Number** | JG326A-AX |
| **Product Type** | 40GBASE-CR4 QSFP+ Passive Direct Attach Copper (DAC) Cable |
| **Connector Type** | QSFP+ (Male-to-Male) |
| **Data Transfer Rate** | 40 Gigabits Per Second (40Gbps) |
| **Cable Length** | 1 Meter |
| **Compatible Devices** | Networking Devices with QSFP+ Ports, HP devices |
| **Color** | Red |
| **Indoor/Outdoor Usage** | Indoor, Outdoor |
| **Item Weight** | Approximately 6.1 ounces (0.17 kg) |
| **Product Dimensions (LxWxH)** | 5.91 x 5.91 x 5.91 inches (15 x 15 x 15 cm) -*Note: This dimension might refer to packaging.* |
| **UPC** | 845282082890 |
| **ASIN** | B00H9KIPMO |

## 7. WARRANTY INFORMATION

Specific warranty terms for Axiom products may vary. Please refer to the official Axiom website or the documentation included with your purchase for detailed warranty information. Typically, Axiom provides a

limited warranty against defects in materials and workmanship under normal use.
For warranty claims or inquiries, retain your proof of purchase and contact Axiom customer support.

## 8. Customer Support

For technical assistance, troubleshooting beyond this manual, or general inquiries, please contact Axiom customer support:

- **Website:** Visit the official Axiom Memory Solutions website for support resources, FAQs, and contact information.
- **Contact:** Refer to the "Contact Us" section on the Axiom website for phone numbers or email support options.

When contacting support, please have your product model number (JG326A-AX) and purchase details readily available.