ACE ICX7650-4X10GF

Ruckus ICX7650-4X10GF 4-Port 10GbE/10G SFP+ Fiber Uplink Module User Manual

Model: ICX7650-4X10GF | Brand: ACE

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Ruckus ICX7650-4X10GF 4-Port 10GbE/10G SFP+ Fiber Uplink Module. This high-performance module is designed to enhance RUCKUS ICX7650 series switches by providing reliable 10 Gigabit fiber connectivity, suitable for enterprise, data center, campus, and cloud network environments.
The module delivers 40Gbps aggregate throughput with ultra-low latency, supporting demanding network workloads. It is TAA compliant and Energy Star certified, reflecting its eco-conscious design and adherence to quality standards.

What's in the Box

- ICX7650-4X10GF Uplink Module

2. SETUP

2.1 Unpacking

Carefully remove the ICX7650-4X10GF module from its packaging. Inspect the module for any signs of physical damage. Retain all packaging materials for future transport or storage.

2.2 Installation

The ICX7650-4X10GF module features a plug-and-play design for straightforward installation into a compatible RUCKUS ICX7650 series switch. Ensure the switch is powered off before proceeding with the installation to prevent damage to the module or the switch.

1. Locate an available expansion bay on your RUCKUS ICX7650 switch.
2. Align the ICX7650-4X10GF module with the expansion bay.
3. Gently slide the module into the bay until it is fully seated. Ensure the module is securely latched.

4. Power on the RUCKUS ICX7650 switch. The switch's auto-discovery feature will detect and configure the new module.

Figure 1: Ruckus ICX 7650 Switch with Module Slots. The ICX7650-4X10GF module is inserted into one of the expansion bays on the right side of the switch.

3. OPERATION

Once installed and powered on, the ICX7650-4X10GF module provides four 10GbE SFP+ fiber uplink ports. These ports are designed for high-speed data transmission within your network infrastructure.

3.1 Connectivity

Connect compatible SFP+ transceivers and fiber optic cables to the module's ports. Ensure that the fiber cables are correctly connected to their respective destinations (e.g., other switches, servers, or network devices) to establish 10 Gigabit Ethernet links.

3.2 Network Integration

The module seamlessly integrates with the RUCKUS ICX7650 switch's operating system, allowing for configuration and monitoring through the switch's management interface. It supports various network protocols and features inherent to the ICX7650 series, facilitating its use in diverse network architectures including data centers, campus networks, and cloud deployments.

4. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your ICX7650-4X10GF module.

4.1 Cleaning

Periodically inspect the SFP+ ports for dust or debris. Use a specialized fiber optic cleaning kit to clean the ports and SFP+ transceivers as needed. Avoid using abrasive materials or solvents.

4.2 Firmware Updates

While the module's firmware is typically managed as part of the RUCKUS ICX7650 switch's operating system, it is recommended to keep the switch's firmware updated to the latest stable version. Refer to the RUCKUS support website for firmware update procedures and release notes.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with the ICX7650-4X10GF module.

- **No Link Light:**

Verify that the SFP+ transceiver is fully inserted into the port. Check the fiber optic cable for damage and ensure it is correctly connected at both ends. Confirm that the connected device is powered on and configured correctly.

- **Slow Performance:**
Ensure that both ends of the connection are operating at 10GbE. Verify the quality and type of SFP+ transceivers and fiber optic cables used. Check for network congestion or configuration errors on the switch or connected devices.

- **Module Not Detected:**
Power off the switch, remove the module, and re-seat it firmly into the expansion bay. Power on the switch. Ensure the module is compatible with your specific RUCKUS ICX7650 switch model.

If issues persist after attempting these steps, please refer to the RUCKUS support documentation or contact technical support.
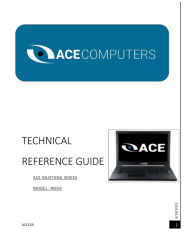
6. SPECIFICATIONS

Feature	Detail
Model Number	ICX7650-4X10GF
Brand	ACE
Manufacturer	RUCKUS & ACE
Connectivity Technology	Ethernet
Ports	4 x 10GbE SFP+ Fiber Uplink
Aggregate Throughput	40Gbps
Compliance	TAA Compliant, Energy Star Certified
UPC	199240107799

7. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation provided with your RUCKUS ICX7650 switch or visit the official RUCKUS support website. This module is eligible for Cloud Care pre-configured bundle solutions, which may offer extended support and services.

For technical assistance, troubleshooting, or to report issues, please contact your authorized RUCKUS reseller or RUCKUS technical support directly. Ensure you have your product model number (ICX7650-4X10GF) and the serial number of your RUCKUS ICX7650 switch available when contacting support.

Related Documents - ICX7650-4X10GF

[ACE Pro Digital-Alkoholtester: Bedienungsanleitung und Technische Daten](#)

Umfassende Bedienungsanleitung für den ACE Pro digitalen Alkoholtester. Enthält Informationen zur Bedienung, Kalibrierung, Wartung, technischen Daten und Garantie von ACE Handels- und Entwicklungs GmbH.

[Specialized Shiv TT Instruction Guide](#)

Comprehensive instruction guide for assembling and adjusting the Specialized Shiv TT bicycle, covering handlebar, stem, brakes, extensions, and seatpost installation. Includes detailed steps, torque specifications, and geometry charts.

[Jaltest CV Innovations 25.3: Software Updates and New Vehicle Support](#)

Explore the latest software innovations for Jaltest Commercial Vehicles (CV) version 25.3, detailing ECUtalk deployment, TPMS enhancements, and expanded diagnostic support for numerous truck, bus, and trailer brands and models.

[ACECOMPUTERS W650 Technical Reference Guide](#)

Comprehensive technical reference guide for the ACECOMPUTERS W650 laptop, covering system specifications, disassembly, service, energy management, and e-waste disposal. Includes information on the ACE Mustang Series.

[Ace Computers W640 Technical Reference Guide](#)

This technical reference guide provides comprehensive information for the Ace Computers W640 laptop, including system specifications, power management, disassembly and reassembly instructions, service and repair details, and end-of-life disposal procedures.

[KENT ACE STAR RO+UV+UF+TDS Water Purifier Instructions Handbook](#)

Comprehensive instructions handbook for the KENT ACE STAR RO+UV+UF+TDS water purifier, detailing its technology, features, operation, installation, maintenance, safety guidelines, and technical specifications to ensure optimal performance and user satisfaction.