



**Field tested, failsafe and long life performance in extreme conditions.** These 15.5" depth units are based on the Ruckus® ICX® 7450 series. These switches are enterprise class, stackable LAN solutions for small and medium size applications. Crystal switches provide intelligent, scalable, edge switch technology with enterprise class functionality and mil-spec environmental performance.

Crystal Group Rugged Networking appliances bring plug-and-play functionality to demanding military, industrial, and commercial applications in air, land and sea. Top-of-the-line switches, firewalls, and routers are housed in rugged, lightweight, and compact enclosures, such as transit cases or 19-inch racks with strain-hardened aircraft aluminum, designed to survive extreme environments, extreme temperatures, and high shock and vibration.

**Innovative solutions.** Crystal Group's portfolio of rugged and industrial computing products are engineered and tested to withstand challenging environments, meet and exceed military and industrial standards, and provide the latest COTS technologies and benefits, such as cost, availability, upgradability, and flexibility.

**Dependable services.** When a computing application requires a custom solution, Crystal Group delivers – on time and on budget – with professional services, including product design and development, testing, systems engineering and integration, mechanical and electrical engineering, configuration management, and product lifecycle planning.

**Dedicated support.** Crystal Group's expert staff and global network provide fast and effective product support when and where it is needed, whether in-house or in the field. Count on Crystal Group for fast response times, quick turnarounds, 5+ year warranties, and quality service around the clock and around the globe.

## FEATURES

- Light weight construction from billet strain, hardened aluminum
- Easy mounting in EIA-310 19" rack, Delrin glides, or fixed mount
- 24 Copper, 48 Copper and 48 SFP port designs in 15.5" chassis
- Modular upgrade capability
- Layer 2+ and Layer 3 capable
- AC/AC, AC/DC, and DC/DC 1+1 MIL-STD-461 EMC compliance

*A clear advantage.*

**CRYSTAL™****SPECS**

Crystal Group RSC7450-48C P/n CMS-00857

**Rugged 1U Switches****Specifications**

Qty	Part #	Description
1	CMS-00857	RCS7450-48C SWITCH
1	BBS-00823	CCA, BBS-00806, BBS, RCS7450-48, 48 COPPER, 1+1, NO POWER SUPPLY, KIT-00285
	<b>NOTE:</b>	<b>THE RCS7450 IS NOT COMPATIBLE WITH JONATHAN RAILS. AND WILL BE PROVIDED WITH CRYSTAL GLIDE RAILS.</b>
2	PSA-00066	CCA, PSA-00032, ASSY, POWER SUPPLY, 255WDC, HOT SWAP, RUCKUS RCS7450, W/EMI, KIT-00285
1	SFW-00125	ICX7450 LAYER 3 PREMIUM SOFTWARE LICENSE, RUCKUS ICX7450-PREM-LIC
1	SFW-00235	SOFTWARE, RUCKUS 08.0.70D FIPS CERTIFIED ROUTER AND SWITCH CODE, RCS7750, RCS7450, RCS7150
1	A00073	KIT, RS/RCS SERIES, 21 IN RAIL MTG, SLIDE MOUNTING, 21-34 IN
1	CCP-00214	<b>CCP, EDV-00963, MODULE, RCS7450 4-PORT 1/10GBE 10GBASE-T, RUCKUS ICX7400-4X10GC, KIT-00285</b>
	<b>NOTE:</b>	CCP-00214 PROVIDES 4 PORTS OF 10GBASE-T THAT CAN BE USED FOR HIGHER BANDWIDTH CONNECTIVITY. 4 OF THESE PORTS CAN BE LOCATED IN THE FRONT OF THE SWITCH
		<b>OPTION A</b>
1	CCP-00522	<b>CCP, EDV-01172, MODULE, RCS7450 IPSEC MODULE FOR VPN ENCRYPTION, RUCKUS ICX7400-SERVICE-MOD, KIT-00285</b>
	<b>NOTE:</b>	OPTION A - 7450 IPSEC MODULE THIS MODULE ADDS AES-256 ENCRYPTION FOR VPN
1		<b>CONFIGURATION MANAGEMENT</b>
1	CMS-00028	CM FEE, PLATINUM, MB, HDD, MEM, CPU, PS, DVD, METAL, FANS, APPROVED PERIPHERAL CARDS, AND UNIQUE ITEMS
1	<b>NOTE:</b>	ONE-TIME FEE FOR GENERATION OF TOP-LEVEL CMS PART NUMBER. CONFIGURATION MANAGEMENT AGREEMENT TO BE SIGNED.
1	WTY-00015	WARRANTY, BRONZE 5 YEAR



1 - Test report available

2 - Designed to meet standard

Certification reports for select products are available on [Crystalrugged.com](http://Crystalrugged.com). Crystal Group designs all embedded computers to meet or exceed the specifications listed herein. Due to the numerous models and component combinations, some configurations are still being tested. Please contact your Crystal Program Manager for test data on desired requirements.

