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Field tested, failsafe and long life performance in extreme conditions. These 9.75" depth units are based on the Ruckus® ICX® 7150 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
- 12 and 24 port options in 9.75" chassis
- Layer 2+ and Layer 3 capable
- Designed for MIL-STD-461 EMC compliance
- AC or DC power input
- Optional MIL-CIRC connectors

A clear advantage.

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Specifications

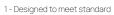|	RCS7150-12	RCS7150-24
Mechanical		
Height	1U	
Width	17.46" (44.35 cm)	
Depth	9.75" (24.77 cm)	
Weight	8 lbs (3.63 kg) depending on power supply configuration	
Cooling	Forced air convection via internal high reliability fans	
Designed to Environmental Standards (testing in progress) [1]	MIL-STD-810, Operational Temperature, Method 501/502 Procedure I/II: AC Power:-25°C to +55°C, DC Power: -40°C to +55°C MIL-STD-810, Vibration, Method 514, Procedure I: 4.63 GRMS, 5-2000Hz, 60 min/axis - with vibration kits MIL-STD-810, Shock, Method 516, Procedures I/V: 20g, 11msec–functional shock; 40g, 11msec crash hazard shock MIL-STD-810, Humidity, Method 507 - with kit MIL-STD-810, Altitude, Method 500: 12,500ft operation, 40,000ft transport	
Mounting	Fixed or Delrin Glides, mounts in std EIA-310 rack	
Power Supply Options		
AC	90-264VAC, Auto-switching	
DC	18-36VDC, 36-72VDC	
Switch Features		
Fixed Ports: 1GbE RJ-45 Ports	12 + Two Uplink	24+ Two Uplink
Fixed Ports: PoE Capable Ports	12 PoE+ (15.4W each), Four are 30W capable	-
Fixed Ports: SFP Ports	Two 1G SFP, upgradeable to 10G SFP+ w/ license	Four 1G SFP, upgradeable to 10G SFP+ w/ license
Console Port	One USB Type-C, One RJ-45	
Out of band management port	One 10/100/1000 Mbps Ethernet RJ-45	
Aggregated Stacking Bandwidth	240 Gbps	480 Gbps
Maximum units per stack	12	
Maximum Stacking Distance	10 KM	
Base Software	Basic Layer 3 Static Routes/ upgradable to Full Layer 3 w/ License	
Switching Capacity (Full Duplex)	68 Gbps	132 Gbps
Forwarding Capacity (Full Duplex)	51 Mpps	98 Mpps

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For further information or pricing, please contact us:

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Shown with optional MIL-CIRC connectors

1 - Designed to meet standard

AS9100D CERTIFIED **ISO 9001**

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