

# RCS7550-24/48

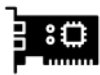
## RUGGED SWITCH



24 or 48  
ports



RJ-45 Copper  
or SFP



1 modular  
expansion slot



AC or DC  
power supply  
options



Advanced Layer 3  
routing capable



Commercial  
or MIL-CIRC  
I/O options



### INTELLIGENT, SCALABLE, EDGE SWITCH TECHNOLOGY

The rugged RCS7550 series of switches are purpose-built to provide wired connectivity at the tactical edge with plug-and-play functionality. These networking switches build on the proven reliability of the RUCKUS® ICX® 7550 series, combined with our tried-and-true hardware ruggedization techniques.

Tested to tough environmental standards, the RCS7550 delivers the performance, flexibility, and scalability required for the most demanding edge environments.

The RCS7550 offers future-ready 40 or 100 GbE uplink ports to eliminate bottlenecks between network layers and ensure an uninterrupted user experience in high-density wireless environments.

*Crystal Group provides a 5-year warranty and forward-looking configuration management to enhance the long-term investment of your compute solution.*

#### USE CASES

- Cybersecurity protection
- Sensor data aggregation
- Edge client uplink
- Intelligence forwarding
- Enterprise routing

## CRYSTAL GROUP RCS7550-24/48 TECHNICAL SPECIFICATIONS

	RCS7550-24C	RCS7550-24F	RCS7550-48C	RCS7550-48F
<b>Mechanical</b>	<b>Height:</b> 1U <b>Width:</b> 17.32" (43.99 cm) <b>Depth:</b> 18.14" (461 mm) <b>Weight:</b> 13.5-16.3 lbs. (6.1-7.4 kg kg)			
<b>Cooling</b>	Forced air convection via internal, high-reliability fans			
<b>Mounting</b>	Glides or fixed; mounts in standard EIA-310 rack			
<b>Power Supply</b>	<b>AC:</b> 100-240VAC, 50-60 Hz, auto-switching single or 1+1 redundant <b>DC:</b> 18-36VDC, single or 1+1 redundant, EMI compliant to MIL-STD-461, CE102, RE102			

### ENVIRONMENTAL TESTING STANDARDS<sup>1</sup>

<b>MIL-STD-810: Environmental Engineering Considerations and Laboratory Tests</b>	<b>Operational Temperature,</b> Method 501/502 Procedure I/II <b>Vibration,</b> Method 514, Procedure I <b>Shock,</b> Method 516, Procedures I/V <b>Humidity,</b> Method 507 <b>Altitude,</b> Method 500			
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### SWITCH FEATURES

<b>Downlink Ports</b>	24 RJ-45 10/100/1000 Mbps	24 SFP+ 1/10 Gbps	48 RJ-45 10/100/1000 Mbps	36 100/1000 Mbps SFP and 12 1/10 Gbps SFP+
<b>1x Modular Slot</b>	Possible configurations include: 1-port 100GbE QSFP28, 2-port 40GbE QSFP+, or 4-port 1/10GbE SFP+			
<b>Layer 3 Routing</b>	Basic static routing, RIP. Add on license enables advanced L3 routing (BGP, OSPF, VRRP, PIM, PBR features)			
<b>Stacking Bandwidth</b>	960 Gbps	2.4 Tbps	960 Gbps	2.4 Tbps
<b>Stacking/Uplink Ports</b>	2x 40 Gbps QSFP+	2x 40/100 Gbps QSFP28	2x 40 Gbps QSFP+	2x 40/100 Gbps QSFP28
<b>Stacking Density</b>	12			
<b>Stacking Distance</b>	10 km			
<b>Switching Capacity (full duplex)</b>	368 Gbps	1080 Gbps	416 Gbps	912 Gbps
<b>Forwarding Capacity (full duplex)</b>	274 Mpps	803 Mpps	309 Mpps	678 Mpps

In-house test reports provided for baseline units; customer-specific test options available upon request.

1: Test report available

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