



# Raptor Rugged Ethernet Switch Configuration & Ordering Guide

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Raptor rugged Ethernet switches are configurable to meet the needs of your particular application. Many aspects of the system are configurable and are specified at the time of order. The available Raptor switches products can be found in the table at the bottom of the page. The following sections describe these configuration options in more detail.



When requesting a quote for a Raptor rugged switch, please complete and return the **Raptor Switch Configuration & Quote Form** found on page 3 of this Guide.

If your needs dictate a fully custom Raptor system, please email your complete system requirements to [sales@diamondsystems.com](mailto:sales@diamondsystems.com) and/or contact your Diamond Systems' Business Development Manager. Customization options can be found on page 6.

## Ethernet Switch Systems

Raptor rugged Ethernet switch systems are designed around Diamond's Epsilon gigabit Ethernet switch family. These products consist of the [Epsilon-8100](#), an 8-port gigabit Ethernet switch, and the [Epsilon-12G2](#), a 14-port gigabit Ethernet switch. Custom cable configurations, enclosure modifications, and coatings are also available, see the Enclosures section.

Product Number	Standard Ethernet Switch Description
RS-EG12F2	Raptor Ethernet Switch System with 14 Gigabit Ethernet ports: 12 copper, 1 1GB fiber, 1 2.5GB fiber
RS-EG12F1	Raptor Ethernet Switch System with 13 Gigabit Ethernet ports: 12 copper & 1 1GB fiber
RS-EG12	Raptor Ethernet Switch System with 12 copper Gigabit Ethernet ports
RS-EG8	Raptor Ethernet Switch System with 8 copper Gigabit Ethernet ports

Please refer to the [Raptor-Epsilon datasheet](#) for complete information on the features offered in the standard configurations below.

## Step-by-Step Ordering Instructions

1. Select the Raptor switch product number from the above table
2. Specify any customization requirements
3. Complete the Raptor Server Configuration & Quote Form on page 3 and submit it to Diamond Systems

## Custom Raptor Switch Enclosures

Customized Raptor switches can be designed to perfectly match the requirements of your application. Customization options can include any of the following. Please [contact Diamond Systems](#) to request a custom Raptor switch quote and describe which items you would like configured into your Raptor switch.

### Case Sizes and Finishes

The case sizes for the standard Raptor switches are as follows (L x W x H), not including the mounting flanges. Each case has an integrated heat sink. Custom case sizes can be designed to meet your specifications.

Raptor Model	Standard Case Size (L x W x H)
RS-EG8	7.5" x 6.5" x 2.8" with integrated heat sink
RS-EG12	7.5" x 6.5" x 2.8" with integrated heat sink
RS-EG12F1	9.5" x 6.5" x 2.8" with integrated heat sink
RS-EG12F2	11.0" x 6.5" x 2.8" with integrated heat sink

Unless otherwise specified, Raptor systems come with a black anodized finish. Other finishes can be accommodated to meet your needs. Please contact Diamond Systems for a quote on any custom enclosure size or finish. Any custom case size or finish must be specified on the purchase order.

Raptor enclosures may be purchased separately either with the standard holes or as a blank chassis with no holes. Use the following product numbers to order the standard enclosure with holes. Contact Diamond Systems for a quote on blank enclosures with no holes or custom enclosure sizes.

Raptor Case Product Number	Standard Case Size (L x W x H)
RS-CH76	7.5" x 6.5" x 2.8"
RS-CH96	9.5" x 6.5" x 2.8"
RS-CH116	11.0" x 6.5" x 2.8"

### Connectors and Protective Caps

Raptor systems come standard with MIL-DTL-38999 Series III TV K-finish passivated stainless steel, service rating M, connectors. Other connector types are also available; please contact us with your requirements.

The connectors on standard Raptor systems come with removable plastic protective caps. Captive metal protective caps can be ordered for any or all connectors.



Cap Option	Order This Product ...
Captive screw-on metal caps	CAPTIVE-CAP and specify which connectors on the system should have the captive cap

Please contact Diamond Systems for a quote on any other custom connector or protective cap.

### Heat Sinks

Raptor systems come with a heat sink on the top of the case designed to facilitate efficient removal of heat from the case. Custom versions of the heat sink can be created to meet your specific requirements. Please contact Diamond Systems for a quote on a custom heat sink.

### Cables

Diamond Systems offers a set of lab-grade cables for each Raptor system. We can design custom cables to meet your exact requirements for connector type, pinout, finish and keying. Please contact Diamond Systems for a quote.

## Raptor Switch Configuration & Quote Request Form

Raptor Ethernet Systems		
Ethernet System	Description (select one of the below)	Check
RS-EG12F2	Raptor Ethernet Switch System with 14 Gigabit Ethernet ports: 12 copper, 1 1GB fiber, 1 2.5GB fiber	<input type="checkbox"/>
RS-EG12F1	Raptor Ethernet Switch System with 13 Gigabit Ethernet ports: 12 copper & 1 1GB fiber	<input type="checkbox"/>
RS-EG12	Raptor Ethernet Switch System with 12 copper Gigabit Ethernet ports	<input type="checkbox"/>
RS-EG8	Raptor Ethernet Switch System with 8 copper Gigabit Ethernet ports	<input type="checkbox"/>

**Quantity Requested**

Raptor Enclosure Options		
Cap Covers	Description (may select one of the below)	Check
CAPTIVE-CAP	Captive screw-on metal caps	<input type="checkbox"/>

Raptor Standalone Enclosures		
Enclosures	Description (may select one of the below)	Check
RS-CH76	7.5" x 6.5" x 2.8" enclosure	<input type="checkbox"/>
RS-CH96	9.5" x 6.5" x 2.8" enclosure	<input type="checkbox"/>
RS-CH116	11.0" x 6.5" x 2.8" enclosure	<input type="checkbox"/>

Custom Requirements	
I have custom requirements for: (check all that apply)	Check
Enclosure size – specify:	<input type="checkbox"/>
Enclosure finish – specify:	<input type="checkbox"/>
Connector type, pin out, finish and keying – specify:	<input type="checkbox"/>
Protective cap – specify:	<input type="checkbox"/>
Custom external mating cables – specify:	<input type="checkbox"/>

Contact Information	
Name	
Company	
Address	
Telephone #	
Fax #	
Email address	

If you have any questions, please contact us at [sales@diamondsystems.com](mailto:sales@diamondsystems.com) or call us at (650) 810-2500. Please email this Form to [salesorders@diamondsystems.com](mailto:salesorders@diamondsystems.com) or fax to (650) 618-2520.