

Raptor Switching Development Platform

Features

- Supports Praesum SwitchKit™ RapidIO and Ethernet switch development.
- Virtex®-7 FPGA with ample resources for both the SwitchKit switch fabric and customer defined processing and bridging logic.
- 1U Rack Mount Chassis.
- Dual-core 1 GHz ARM® Cortex™- management processor running Linux.
- Seven FMC Line Card Interfaces, supporting up to twenty one front panel switch ports.
- Available FMC line cards include:
 - Dual CX4
 - Dual zQSFP+

Description

Raptor is a system level development platform that enables the rapid development of switching systems utilizing Praesum SwitchKit IP. Based on a leading edge Virtex®-7 FPGA, it supports the customization of switching algorithms and integration of specialized packet processing IP within the SwitchKit framework.

Targeted at leading edge wireline, wireless infrastructure, and Mil-Aero applications, the *Raptor* platform can accelerate platform development by allowing wire-speed evaluation of algorithms in a live network.

Figure 1 *Raptor* Product Image



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Figure 1 *Raptor* Functional Block Diagram

