

Contents

- [1 Silicon Switching Engine \(SSE\)](#)
 - ◆ [1.1 Definition](#)
 - ◆ [1.2 Details](#)
 - ◆ [1.3 Related Resource](#)

Silicon Switching Engine (SSE)

Definition

Routing and switching mechanism that compares the data link or network layer header of an incoming packet to a silicon-switching cache, determines the appropriate action (routing or bridging), and forwards the packet to the proper interface.

Details

The SSE is encoded directly in the hardware of the silicon switch processor (SSP) of a Cisco 7000 series router. It therefore can perform switching independently of the system processor, making the execution of routing decisions much quicker than if they were encoded in software.

Related Resource

[Cisco Trademarks](#)