



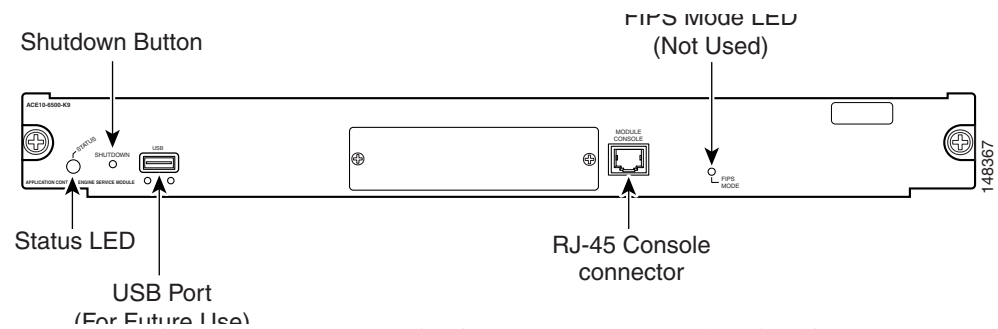
CHAPTER 14

Cisco Application Control Engine Module

This chapter describes the Cisco Application Control Engine (ACE) module (ACE10-6500-K9).

The ACE performs high-performance server load balancing (SLB) among groups of servers, server farms, firewalls, and other network devices, based on Layer 3 as well as Layer 4 through Layer 7 packet information. The ACE can also terminate and initiate SSL-encrypted traffic which allows the ACE to perform intelligent load balancing while ensuring secure end-to-end encryption. The module is capable of interconnecting speeds of 4 Gigabits per second (Gbps) by default, and can achieve speeds of 8 Gbps with the purchase of an upgrade license.

Figure 14-1 Application Control Engine (ACE) module (ACE10-6500-K9)



The STATUS LED displays the Content Switching Module status as described in [Table 14-1](#).

Table 14-1 Content Switching Module STATUS LED

Color/State	Description
Green	<ul style="list-style-type: none"> The module is operational; the supervisor engine has provided module online status.
Orange	<ul style="list-style-type: none"> The module is initializing hardware or communicating with the supervisor engine. A fault occurred during the initialization sequence. The module failed to download its Field Programmable Gate Arrays (FPGAs) at startup. The module continues with the remainder of the initialization sequence and provides the module online status from the supervisor engine. The module has not received module online status from the supervisor engine. This problem may be caused by the supervisor engine detecting a failure in an external loopback test that it issued to the module.
Green to Orange	<ul style="list-style-type: none"> The module is disabled through the supervisor engine command line interface (CLI) using the no power enable module command.
Red	<ul style="list-style-type: none"> The module is released from reset by the supervisor engine and is booting. The boot code failed to run.
Off	<p>The module is waiting for the supervisor engine to provide power.</p> <ul style="list-style-type: none"> The module is offline. The module is not receiving power, which may be caused by one of the following: <ul style="list-style-type: none"> Power is not available to the module. Module temperature is over the limit1 .