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OmniSwitch 9000 Series Hardware Users Guide

Alcatel·Lucent 

www.alcatel-lucent.com

CMM Front Panel

Module Status LEDs

OK1. Hardware Status. Displays solid green when powered on and the CMM has passed hardware diagnostic tests. Displays solid amber when powered on and the CMM has failed hardware diagnostic tests.

OK2. Software Status. Blinks green when the CMM is operational. Displays solid amber when a system software failure occurs. Blinks amber when the software is in a transitional state (e.g., when software is being downloaded to the switch).

Control/Fabrics/PSU/Temperature/Fan status LEDs

CONTROL. Displays solid green when the CMM is active, blinking green when standby, amber when malfunctioning, and blinking amber for upgrade.

FABRIC. Displays solid green when the fabric is active, blinking amber or steady amber for different fabric malfunctions.

TEMP. Displays green at 0-40°C, blinking amber at 40-45°C, and solid amber at over 45°C.

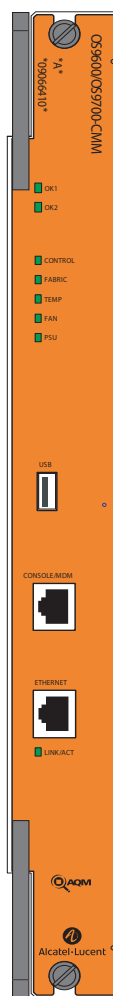
FAN. Displays solid green when all fans in the fan tray are running at normal speed. Displays solid amber if a fan error occurs (i.e., one or more fans are not running at normal speed).

PSU. Displays green when power is OK, blinking amber when one PSU is bad but the chassis has enough power, and solid amber when the chassis does not have enough power.

Ethernet Management Port LEDs

LINK. Link/Activity Status. Displays solid green when an Ethernet cable connection exists at the CMM's Ethernet Management Port. Flashes green as data is transmitted or received.

Module Status LEDs



USB Port. High speed (480 Mbps) USB 2.0 port, which can be used for quick upgrades.

Note: USB port is not supported in this release.

Console Port. The CMM's front panel provides one RJ-45 port for console connections. By default, this connector provides a DCE console connection.

Ethernet Management Port (EMP). The CMM's front panel also provides one Ethernet 10/100/1000BaseT port (copper RJ-45). This port provides out-of-band network management and can be used for Telnet sessions, switch diagnostics, and for downloading software to the switch.

This 10/100/1000BaseT port supports both 10BaseT, 100BaseT and 1000BaseT with auto-negotiation through the RJ-45 connector.

Note: In redundant CMM configurations, the EMP is only operational on the *primary* CMM.

CMM Front Panel (OS9700-CMM version shown)

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Ethernet Management Port (EMP).

The CMM's front panel also provides one Ethernet 10/100/1000BaseT port (copper RJ-45). This port provides out-of-band network management and can be used for Telnet sessions, switch diagnostics, and for downloading software to the switch.

This 10/100/1000BaseT port supports both 10BaseT, 100BaseT and 1000BaseT with auto-negotiation through the RJ-45 connector.

Note: In redundant CMM configurations, the EMP is only operational on the *primary* CMM.

CMM Front Panel (OS9800 CMM version shown)

CMM Technical Specifications

Flash memory	128 MB
SIMM (DRAM) memory	256 MB
Console port	One RJ-45 console/modem port; set to console by default
Ethernet management port (EMP)	One RJ-45 port; provides out-of-band network management and can be used for Telnet sessions or for downloading switch software via FTP
USB port	USB 2.0 (unsupported)
Power Consumption (OS9700-CMM/OS9600-CMM)	27 W
Power (OS9800-CMM/)	40 W
Width (OS9600/9700)	13.083 inches
Width (OS9800)	21.375 inches
Height	1.42 inches
Depth	13.024 inches

Ethernet Management Port (EMP)

The Ethernet 10/100BaseT port located on the CMM's front panel provides out-of-band network management and can be used for Telnet sessions, switch diagnostics, and for downloading switch software via FTP. The 10/100BaseT port supports both 10BaseT and 100BaseT with auto-negotiation through the RJ-45 connector.

Note. In redundant CMM configurations, the EMP is only operational on the *primary* CMM. You must have a valid Ethernet connection to the EMP on the primary CMM before establishing an EMP connection with the switch. For more information on redundant CMM configurations, refer to [page 4-9](#).

Default IP Address. The default IP address for the EMP is 192.168.10.1; the default gateway address is 192.168.1.254. For information on changing the EMP's default IP address information, refer to the *OmniSwitch 9000 Getting Started Guide*.

Access to the EMP

By default, only devices in the same subnet as the EMP will be able to manage the switch through that port. To allow access to the EMP to devices outside the EMP's local network, you can create a static route between the EMP and the network containing devices requiring access to the EMP.

To create a static route for the EMP, use the **ip static-route** command. The command syntax must include the network IP address as well as the gateway address for the EMP. For example:

```
-> ip static-route 10.11.100.1 gateway 172.22.2.120
```

EMP Cable Requirements

There are specific cable type requirements (i.e., straight-through or crossover) based on the type of device to which the EMP is connecting. Refer to the information below:

EMP to a Switch	Straight-through
EMP to a Computer or Workstation	Crossover

Console Port

Serial Connection to the Console Port

The console port, located on the CMM front panel, provides a serial connection to the switch and is required when logging into the switch for the first time. By default, this R-J45 connector provides a DCE console connection.

Serial Connection Default Settings

The factory default settings for the serial connection are as follows:

baud rate	9600
parity	none
data bits (word size)	8
stop bits	1
X-ON/X-OFF	enabled