



# Cisco M390 Content Security Management Appliance

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## Available Models

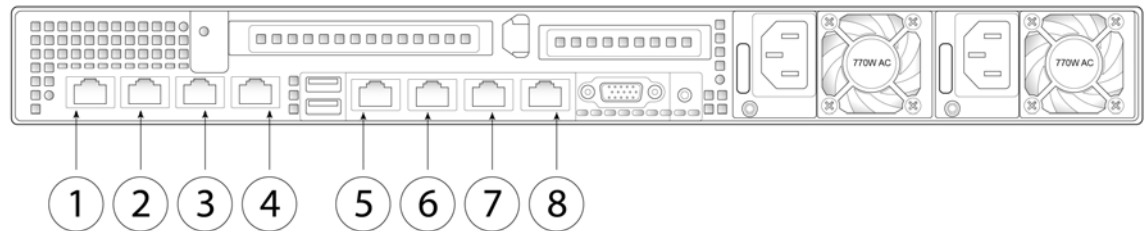
The M390 SMA is available in the following models:

- M390—Six 600-GB hard disk drives
- M390X—Eight 600-GB hard disk drives

## Rear Panel Ports

Figure 6-1 shows the rear panel ports of the Cisco M390 Content Security Management Appliance.

**Figure 6-1** Cisco M390 Content Security Management Appliance Rear Panel Ports



<b>1</b>	Data 1 Gigabit Ethernet customer data interface	<b>2</b>	Data 2 Gigabit Ethernet customer data interface
<b>3</b>	Data 3 Gigabit Ethernet customer data interface	<b>4</b>	Data 4 Gigabit Ethernet customer data interface
<b>5</b>	RPC port The RPC port speed is configured statically to 100 mbps and full-duplex mode without autonegotiation. Without autonegotiation, the RPC port fails to connect properly and cannot be used.	<b>6</b>	Console port Directly connects a computer to the appliance
<b>7</b>	Data 5 Gigabit Ethernet customer data interface	<b>8</b>	Management interface Gigabit Ethernet interface restricted to management use only

## Using Status LEDs and Buttons for Maintenance

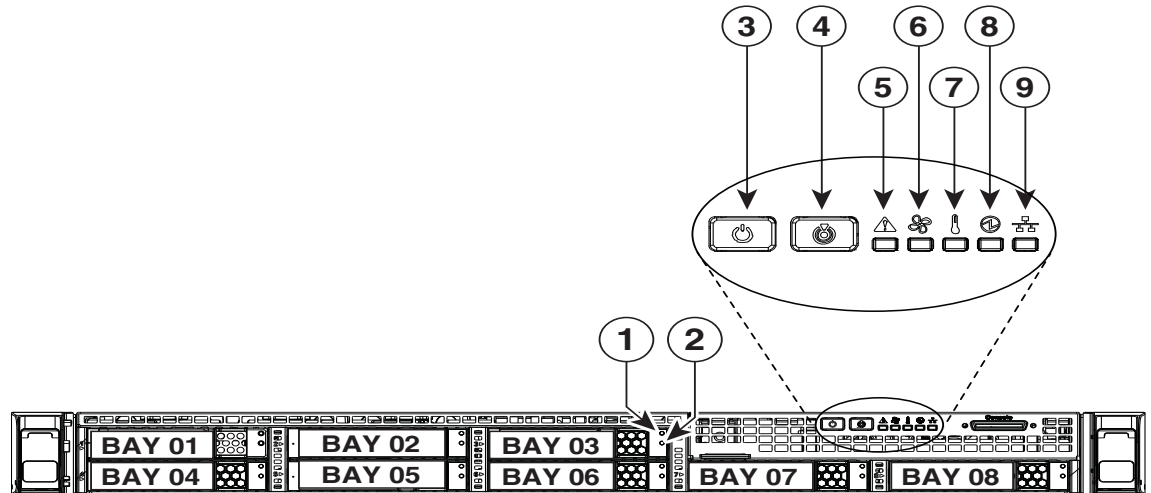
This section describes the location and meaning of LEDs and buttons and includes the following topics:

- [Front Panel LEDs, page 6-2](#)
- [Rear Panel LEDs and Buttons, page 6-4](#)

### Front Panel LEDs

[Figure 6-2](#) shows the front panel LEDs for the M390X model, with eight disk drives. [Table 6-1](#) defines the LED states.

Figure 6-2 Cisco M390 Content Security Management Appliance Front Panel LEDs



1	Hard drive fault LED	6	Fan status LED
2	Hard drive activity LED	7	Temperature status LED
3	Power button/power status LED	8	Power supply status LED
4	Identification button/LED	9	Network link activity LED
5	System status LED		

Table 6-1 Front Panel LEDs, Definitions of States

LED Name	State
1 Hard drive fault	<ul style="list-style-type: none"> <li>Off—The hard drive is operating properly.</li> <li>Amber—Drive fault detected.</li> <li>Amber, flashing—The device is rebuilding.</li> <li>Amber, flashing with one-second interval—Drive locate function activated.</li> </ul>
2 Hard drive activity	<ul style="list-style-type: none"> <li>Off—There is no hard drive in the hard drive tray (no access, no fault).</li> <li>Green—The hard drive is ready.</li> <li>Green, flashing—The hard drive is reading or writing data.</li> </ul>
3 Power button/LED	<ul style="list-style-type: none"> <li>Off—There is no AC power to the appliance.</li> <li>Amber—The appliance is in standby power mode. Power is supplied only to the Baseboard Management Controller (BMC) and some motherboard functions which enable you to use remote power commands.</li> <li>Green—The appliance is in main power mode. Power is supplied to all appliance components.</li> </ul>
4 Unit identification	<ul style="list-style-type: none"> <li>Off—The unit identification function is not in use.</li> <li>Blue—The unit identification function is activated.</li> </ul>

**Table 6-1** Front Panel LEDs, Definitions of States (continued)

	LED Name	State
5	System status	<ul style="list-style-type: none"> <li>• Green—The appliance is running in normal operating condition.</li> <li>• Green, flashing—The appliance is performing system initialization and memory check.</li> <li>• Amber—The appliance is in a degraded operational state. For example:               <ul style="list-style-type: none"> <li>– Power supply redundancy is lost.</li> <li>– CPUs are mismatched.</li> <li>– At least one CPU is faulty.</li> <li>– At least one DIMM is faulty.</li> <li>– At least one drive in a RAID configuration failed.</li> </ul> </li> <li>• Amber, flashing—The appliance is in a critical fault state. For example:               <ul style="list-style-type: none"> <li>– Boot failed.</li> <li>– Fatal CPU and/or bus error is detected.</li> <li>– The appliance is in an over-temperature condition.</li> </ul> </li> </ul>
6	Fan status	<ul style="list-style-type: none"> <li>• Green—All fan modules are operating properly.</li> <li>• Amber—One or more fan modules breached the critical threshold.</li> <li>• Amber, flashing—One or more fan modules breached the non-recoverable threshold.</li> </ul>
7	Temperature status	<ul style="list-style-type: none"> <li>• Green—The appliance is operating at normal temperature.</li> <li>• Amber—One or more temperature sensors breached the critical threshold.</li> <li>• Amber, flashing—One or more temperature sensors breached the non-recoverable threshold.</li> </ul>
8	Power supply status	<ul style="list-style-type: none"> <li>• Green—All power supplies are operating normally.</li> <li>• Amber—One or more power supplies are in a degraded operational state.</li> <li>• Amber, flashing—One or more power supplies are in a critical fault state.</li> </ul>
9	Network link activity	<ul style="list-style-type: none"> <li>• Off—The Ethernet link is idle.</li> <li>• Green—One or more Ethernet LOM ports are link-active, but there is no activity.</li> <li>• Green, flashing—One or more Ethernet LOM ports are link-active, with activity.</li> </ul>

## Rear Panel LEDs and Buttons

The rear panel has the following LEDs and buttons that can be used to maintain the appliance:

- Power supply AC status LED—Located on the bottom left of each power supply.
- Data/management port link speed LED—Located to the left of each data or management port.
- Data/management port link status LED—Located to the right of each data or management port.
- Unit identification button/LED—Located to the right of the VGA video port (DB-15).

[Table 6-2](#) defines the LED states.

**Table 6-2** Rear Panel LEDs, Definitions of States

LED Name	State
Power supply status	<ul style="list-style-type: none"> <li>Off—No AC input (12 V main power off, 12 V standby power off).</li> <li>Green, flashing—12 V main power off; 12 V standby power on.</li> <li>Green—12 V main power on; 12 V standby power on.</li> <li>Amber, flashing—Warning detected but 12 V main power on.</li> <li>Amber—Critical error detected; 12 V main power off.</li> </ul>
Data/Management port link speed	<ul style="list-style-type: none"> <li>Off—Link speed is 10 Mbps.</li> <li>Amber—Link speed is 100 Mbps.</li> <li>Green—Link speed is 1 Gbps.</li> </ul>
Data/Management port link status	<ul style="list-style-type: none"> <li>Off—No link is present.</li> <li>Green—Link is active.</li> <li>Green, flashing—Traffic is present on the active link.</li> </ul>
Rear unit identification	<ul style="list-style-type: none"> <li>Off—The unit identification LED is not in use.</li> <li>Blue—The unit identification LED is activated.</li> </ul>

## Summary of Features

Table 6-3 lists the features of the M390 Content Security Management Appliance.

**Table 6-3** Cisco M390 Content Security Management Appliance Features

Feature	Description
Chassis	One rack-unit (1RU) chassis
Processors	Two E5-2620 v3 processor
Memory	Two 8-GB DDR4-2133 DIMMs
RPC	<p>Accessed through the 1-Gb dedicated port</p> <p>The RPC port speed is configured statically to 100 mbps and full-duplex mode without autonegotiation. Without autonegotiation, the RPC port fails to connect properly and cannot be used.</p>
Data ports	Five 1-Gb BASE-T Ethernet LAN ports
Management I/O	<p>Supported connectors:</p> <ul style="list-style-type: none"> <li>One 1-Gb BASE-T Ethernet LAN ports</li> <li>One RS-232 serial port</li> </ul>
Power	Two 770 W AC power supplies
Power consumption	2626 BTU/hr
Cooling	Six fan modules for front-to-rear cooling

**Table 6-3** Cisco M390 Content Security Management Appliance Features (continued)

<b>Feature</b>	<b>Description (continued)</b>
Storage	Six or eight 600 GB hard disk drives (2.5" 10K SAS 4Kn) are installed into front-panel drive bays that provide hot-swappable access for SAS drives. <b>Note</b> The drives with the PID CCS-HDD-600GB-RV-A are 1.8 TB, but have been partitioned to 600 GB of usable space.
Disk management (RAID)	Dedicated internal riser for a PCIe-style Cisco modular RAID controller card