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Installing the ESR-5000/6000 Series II Supervisor Module

MANU0687-02 - Rev. A- 06-15-2001

Version 1.0

Overview

This document describes the installation and configuration for the ESR-5000/6000 Series II Supervisor Module.

The ESR-5000/6000 Series II Supervisor Module is responsible for address learning, address cache management, and spanning tree management, routing protocols and route table management.

Series II Module Highlights:

- The module functions in the 5000 and 6000 switch chassis, and is compatible with Series 1 modules.
- 450 MHz processor.
- Detects up to 16 media cards and nine switch element/controller cards.
- A PCMCIA interface has been added.

This document describes the following:

- Software requirements
- Power requirements
- Installing the Module
- Supervisor Display

Software Requirements

The ESR-5000/6000 Series II Supervisor Module requires ESR software of Version 5.0 or higher.

Power Requirements

In the 5000 chassis, each power supply powers approximately four media modules.

In the 6000 chassis, each power supply powers approximately nine media modules.

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It takes two power supplies to power a full chassis. Using three power supplies ensures that the system has fault-tolerant load-sharing power capabilities. Tables 1 and 2 list the precise values.

Table 1 - Power Supply Values - Series 1 Modules

Device	Power Used
Supervisor Module (Layer 2)	70W
Supervisor Module (Layer 3)	70W

Table 2 - Power Supply Values - Series II Modules

Device	Power Used
Supervisor Module	35 W

Select **Power System** from the **System** > **Configuration** group on the web agent window to determine how much power is currently available in your switch.

Installing the Module

NOTE The supervisor module should always be installed in slot 1. A redundant supervisor module should be installed in slot 2.

NOTE The supervisor module is mechanically hot swappable, however, the switch must be reset in order to function properly.

To install modules in the chassis:

1. Carefully remove the module from its box, leaving it in its anti-static wrapping.
2. Take the appropriate antistatic precautions and carefully remove the module from the antistatic wrap. (Refer to the Marconi *ESR-5000/6000 Switch Installation Guide* for detailed information on proper antistatic precautions.)

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3. Open the Ejector Tabs until the stops make contact with the face plate (Figure 1).

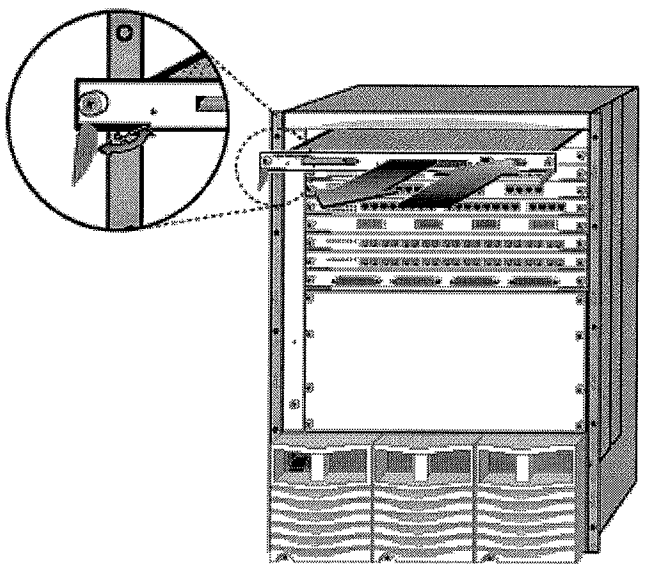


Figure 1 - Installing the Module

4. Insert the module into the chassis (Figure 1).

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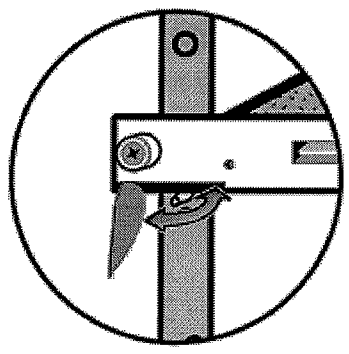


Figure 2 - Closing the Ejector Tabs

5. Press on the center of the module as you push it into the chassis. The ejectors snap into place.

NOTE

It may be necessary to apply upward pressure on the module during installation. This ensures proper seating in the chassis.

6. Push the ejectors into the closed position to complete seating the module (Figure 2).
7. Tighten the captive screws.

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As the module powers up, the LEDs should function as described in the module descriptions provided in the Marconi *ESR-5000/6000 Switch User Guide.* In general, the following is observed on a properly-functioning module (Table 3):

Table 3 - Power-up LED Function

Module	LED	Normal Behavior
All Modules	Module Status	Solid green, indicating normal operation.
Gigabit Modules	TX and RX	Solid green, flashing yellow intermittently to indicate traffic
	Port	Solid green, indicating link integrity.
	HD/FD	Solid green, indicating full-duplex operation.
10/100 Modules	Port	Solid green, flashing yellow intermittently to indicate traffic.

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Installing the PCMCIA Card

There is a PCMCIA drive located on the Series II Supervisor module front panel (see Figure 3). This provides for a PCMCIA interface.

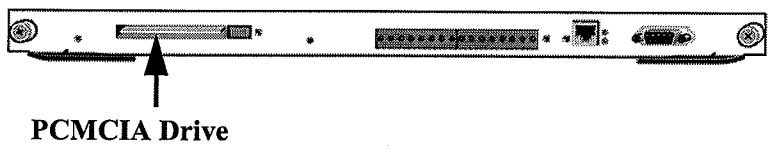


Figure 3 - PCMCIA Drive

Installing a PCMCIA Card

To install the PCMCIA card into the PCMCIA drive:

1. Slide the PCMCIA card into the drive.
2. Push the card into the drive until it locks into the drive.

Removing a PCMCIA Card

To remove a PCMCIA card from the PCMCIA drive on the front of the Series II Supervisor module:

1. Press the eject button to the right of the PCMCIA drive. The card pops out.
2. Remove the PCMCIA card.

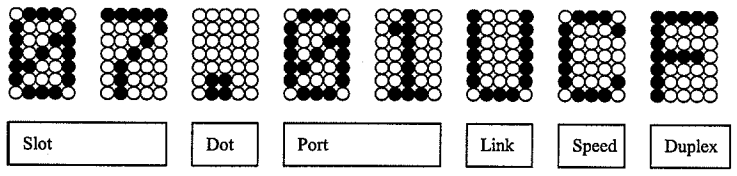
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Supervisor Display

Use the supervisor display and button to navigate system information as diagrammed below.

1. Push button to advance menu.
2. Pause on desired menu item to display results.

Marconi Technologies ESR Switch v5.0.0... (Sysname and software version)
(Push)
LastLink (Pause) --> display last link event (see below for display format)
(Push)
Cnsl IP (Pause) --> display IP address of console port
(Push)
TempStat (Pause) --> display temperature at several locations inside system
(Push)
Fan Stat (Pause) --> display status of fans
(Push)
Pwr Stat (Pause) --> display status of power supplies
(Push)
PortStat (Push) --> LastLink (wrap around)
(Pause)
Slot 01
(Push)
Slot 02
(Push)
...
Slot 07 (Pause) --> See below for display format. Advance port number by pushing button.
(Push)
LastLink (start again at top)



Slot (01-07)
Dot (.)
Port (01-48 as appropriate for media module in slot)
Link (U = link up, D = link down)
Speed (A = auto-negotiating, X = 10M, C = 100M, M = 1G, - for link down)
Duplex (F = full duplex, H = half duplex, - for link down)

The types of cable for the ethernet console (out-of-band) are different. Refer to Chapter 2, "Configuring the ESR Switch (Layer 2 & Layer 3) in the Marconi *ESR-5000/6000 Switch User Guide* for more information.

For More Information

Refer to the Marconi *ESR-5000/6000 Switch User Guide* for more information on module configuration options, specifications, general product safety and regulatory compliance information.

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1. Go to Marconi's World Wide Web technical support site:

   http://www.marconi.com/tactics

2. Send questions, via e-mail, to:

   support@fore.com

3. Telephone questions to "support" at:

   800-671-3673 or 724-742-6999

4. FAX questions to "support" at:

   724-742-7900

Technical support for customers outside the United States should be handled through the local distributor or via telephone at the following number:

+1 724-742-6999

No matter which method is used to reach Marconi Support, customers should be ready to provide the following:

- A support contract ID number
- The serial number of each product in question
- All relevant information describing the problem or question

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