ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Quantum MC300* at our website: *Click HERE*

MC300 Prism Management Card Quick Reference Guide

This Quick Reference Guide explains how to install the MC300 Prism Management Card (PMC) in a Sun StorEdge™ L25 tape library or a Sun StorEdge™ L100 tape library (hereafter referred to as the L25 and L100).

If you need help with any part of these instructions, please contact Sun Customer Support. To receive on-line help, go to **www.sun.com/service/index.html**.

Once the MC300 is installed, it must be configured using instructions in the *MC300 Prism Management Card User's Guide* (PN 6473040). This guide and other applicable documentation is available in PDF format on the *Sun StorEdge L25 and Sun StorEdge L100 Localized Document Set CD* (PN 6423028).

Note: Adobe Acrobat Reader is required to view and print PDF documents. To download a free copy of Adobe Acrobat Reader, go to **www.adobe.com**.

Step 1: Prepare for Installation

1 Make sure your library has firmware version 3.00 or later.

For a complete list of system requirements, refer to the *MC300 Prism Management Card User's Guide* (PN 6473040).

2 Make sure you have the tools recommended for this procedure:

- #1 PHILLIPS® screwdriver
- Flat blade screwdriver
- T-10 TORX® screwdriver

3 Check the contents of the MC300 PMC Upgrade Kit (see figure 1).

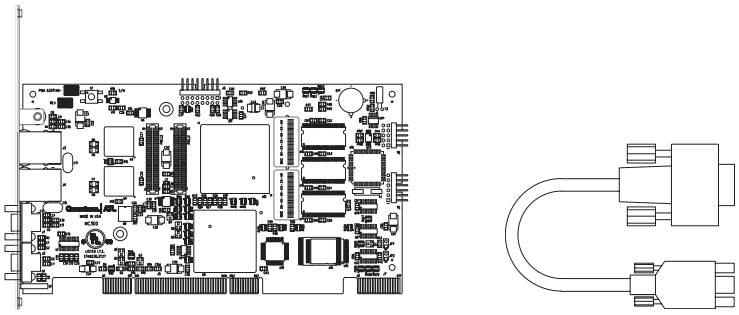


Figure 1 Main Installation/FRU Components

4 Take precautions to prevent electrostatic discharge (ESD). These precautions include:

- Wearing a properly grounded antistatic wrist strap
- Wearing other antistatic apparel (smock, footwear, etc.)
- Handling library components with care and keeping the MC300 PMC in its antistatic packaging until you are ready to install it

Caution: Failure to take adequate antistatic precautions may result in damage to the MC300 PMC or other library components.

Step 2: Install the MC300

1 Turn off the library by pressing the power switch on each power supply at the back of the library.

2 Remove the power cable from the back of the library.

3 Using a flat blade screwdriver, loosen the two large thumbscrews securing the electronics module to the back of the library (see figure 2).

4 Using the round handles, pull the electronics module from the chassis and place it on a grounded antistatic mat.

5 Remove the two screws securing the expansion slot cover plate to the back of the electronics module and remove the cover plate.

Save the screws for use later in this installation. Save the cover plate for future use.

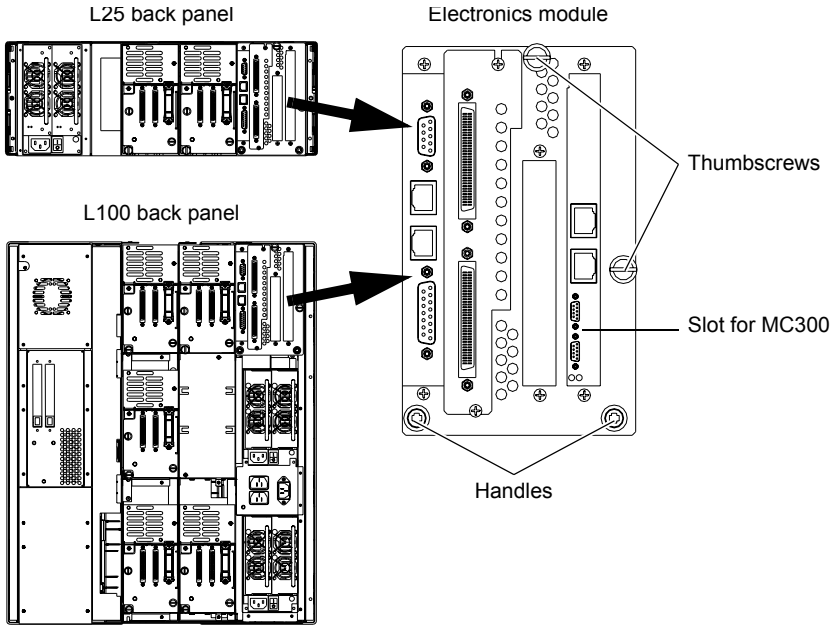


Figure 2 Removing the Electronics Module

6 Remove the screws securing the hold-down clamp.

Save the clamp for use later in this installation.

7 Carefully remove the new MC300 PMC from its antistatic packaging.

> **Caution:** Hold the MC300 PMC by the edges, avoiding contact with the components and connectors.

8 Insert the MC300 PMC into the expansion slot and press it down gently until it is seated securely.

9 Secure the MC300 PMC to the electronics module using the two mounting screws you removed in step 5.

10 If you plan to install one or more Fibre Channel bridges, do so now, following the instructions provided with the Fibre Channel bridge.

11 Reattach the hold-down clamp to secure the MC300 PMC in the slot.

12 Slide the electronics module back into the library chassis until the high-density connector on the motherboard seats into the distribution board connector.

13 Using a flat blade screwdriver, tighten the two thumbscrews to secure the electronics module to the library chassis.

Step 3: Attach the Interconnect Cables

Once you have installed the MC300 PMC, attach the interconnect cable from the diagnostic serial port on the MC300 PMC to the library serial port (see figure 3).

Note: The connectors are different sizes; the cable can only be connected in the proper orientation.

If you are using multiple FC420s and Fibre Channel Management is desired, you must install a dedicated Ethernet connection between the MC300 and the FC420s *before* powering on the library. If only one FC420 exists, an Ethernet hub is not required, see the *MC300 Prism Management Card User's Guide* (PN 6473040).

Note: Sun does not provide an Ethernet hub/switch or the cables.

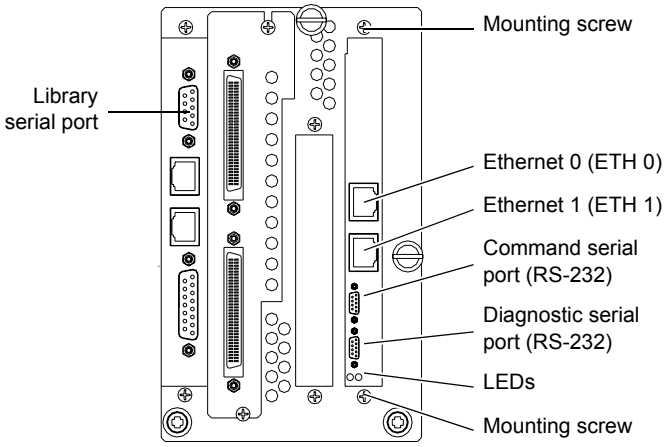


Figure 3 MC300 PMC Ports and Indicators

Step 4: Establish an MC300 PMC-to-Host Connection for Library Management

1. Connect an Ethernet cable from the ETH 0 port (see figure 3) on the MC300 PMC to one of the following:
   - A TCP/IP network segment with a Dynamic Host Configuration Protocol (DHCP) server
   - A non-DHCP computer directly connected to the MC300 PMC using a hub or crossover cable
2. Make sure the host computer is turned on.
3. Reconnect the library power cable and turn on the library.

   The MC300 PMC broadcasts a DHCP request. If you are using a DHCP server, the server will assign an IP address to the MC300 PMC.
4. Get the IP address assigned to the MC300 PMC:
   - **If the host computer is on the same network as a DHCP server**, go to the **DHCP Manager** window on the DHCP server and find the IP address assigned to the MC300. You can also obtain this information from the library graphical user interface (GUI) by selecting **Main > QuickView > Library > Network**.
   - **If the host computer is not on a DHCP network**, configure the MC300 PMC with network information compatible with the host computer as follows:
     - On the library GUI, select **Main > Menu > Config**.
     - When the **Configuration** screen appears, scroll down until **IP Address** is highlighted, then press **Select**. This causes the first portion of the IP address to be highlighted.
     - Use the **Up** and **Down** buttons to increase or decrease the value of the selected portion of the IP address. Then, press **Select** to highlight the next portion of the IP address. Continue using the **Up**, **Down**, and **Select**

buttons to modify the rest of the IP address. Pressing **Select** after modifying the last portion of the IP address saves the new IP address and highlights the entire parameter.

Caution: Be sure to select an available IP address in the same class as the host computer's network.

- Using the same procedure, select and modify the **Subnet Mask** and **Gateway** parameters as appropriate.
- Wait about one minute after modifying these parameters and then restart the library.

Note: As a third option, you can configure a host computer (such as a laptop) to be compatible with the default static IP address of the MC300 PMC. To do this, wait approximately 30 seconds after starting the library for the DHCP request from the MC300 PMC to time out. The MC300 PMC then assigns itself the static IP address of 192.168.1.1.

Set the following parameters on the host computer:

- IP Address: 192.168.1.2
- Subnet Mask: 255.255.255.0
- Gateway: default settings for the computer

Using a PING command, verify communication between the host computer and the MC300 PMC.

Step 5: Create SCSI Busses and SCSI-to-Fibre Connectivity

Once the MC300 PMC has been installed and cabled properly, create SCSI busses as explained in the *Sun StorEdge L25 Tape Library and Sun StorEdge L100 Tape Library Installation Guide* (PN 6423015). If you installed a Fibre Channel bridge, establish SCSI-to-Fibre connectivity as explained in the instructions provided with the Fibre Channel bridge.

Step 6: Configure the MC300 PMC

Once installed, configure the MC300 PMC, following the instructions in the *MC300 Prism Management Card User's Guide* (PN 6473040).

Copyright 2003 by Quantum Corporation. All rights reserved.

Your right to copy this document is limited by copyright law. Making copies or adaptations without prior written authorization of Quantum Corporation is prohibited by law and constitutes a punishible violation of law.

Quantum Corporation provides this publication "as is" without warranty of any kind, either express or implied, including, but not limited to, the implied warranties of merchantability or fitness for a particular purpose. Quantum Corporation may revise this publication from time to time without notice.

Sun StorEdge L25 Tape Library and Sun StorEdge L100 Tape Library are trademarks of Sun Microsystems, Inc. All other trademarks are the property of their respective owners.

PN 6473042-03, Ver. 3, Rel. 0 6207947-02sN 1

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP