



TL891 MiniLibrary System User's Guide Addendum

First Edition (May 1999)
Part Number ER-TL891-AA. B01/127512-002
Compaq Computer Corporation

TL891 MiniLibrary System User's Guide

Addendum

Introduction

This Addendum describes the MiniLibrary System Data Unit module, one of as many as six slave modules that can be installed in the MiniLibrary system.

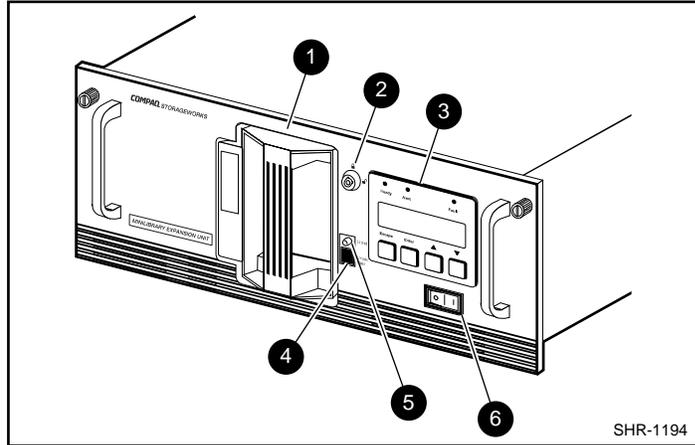
Data Unit Description

The Data Unit module is a slave module that can be mounted in a standard 19-inch EIA/RETMA equipment rack together with an Expansion Unit module and one or more MiniLibrary Base Modules. The Data Unit occupies seven vertical inches of space in the MiniLibrary rack. The Data Unit is mounted in any position below the Expansion Unit in the equipment rack, and its position is sensed by the Expansion Unit during initialization when power is applied to the MiniLibrary system.

The Data Unit has a 16-cartridge slot magazine and a random-access robotics mechanism; like the Expansion Unit the Data Unit has no tape drives. The robotics mechanism moves cartridges between the MiniLibrary Pass-Thru mechanism and the Data Unit cartridge magazine slots under the control of the Expansion Unit. The system firmware integrates the robotics of the Data Unit(s), the Expansion Unit and the Base Module(s) into a single high-performance library robotics system.

Data Unit Operation

Figure 1 shows the front panel of the Data Unit; Figure 2 shows a rear view of the Unit. The front panel includes a power switch and the Control Panel, which has pushbuttons, LED indicators, and a display.



- ❶ 16-Cartridge magazine; ❷ Magazine security lock; ❸ Control panel;
- ❹ Unlock/Open button; ❺ Locked indicator; ❻ Power switch.

Figure 1. Data Unit Front Panel

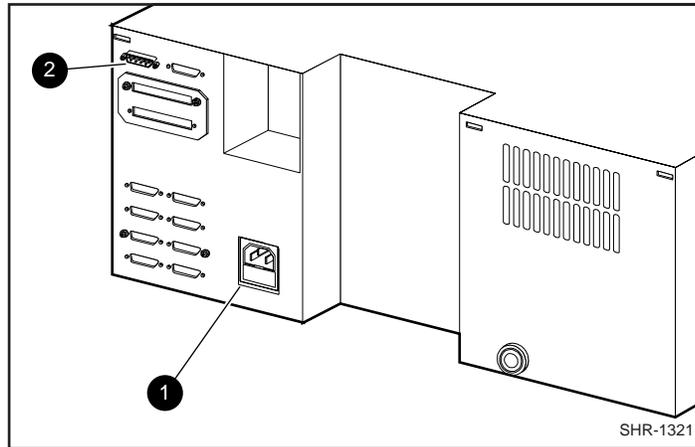
Power Switch

Power Switch

The power switch controls the supply of AC power to the unit. The switch is recessed into the front panel to prevent accidental power-up or power-down. Press **1** to turn the unit on, and press **0** to turn the unit off.

Control Panel

The Data Unit Control Panel (Figure 3) contains three LED indicators, a four-line by 20-character backlit LCD display, and four pushbuttons.



❶ Power connector; ❷ Expansion Unit interface.

Figure 2. Data Unit Rear View

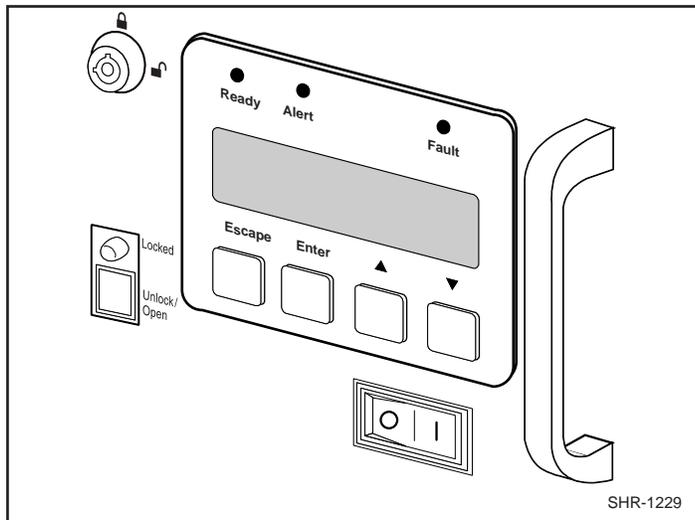


Figure 3. Data Unit Control Panel

LED Indicators

The three LED indicators on the Control Panel are labeled **Ready** (green), **Alert** (yellow), and **Fault** (red).

Ready (green) - lights when the system is ready to accept commands, either from the Control Panel or from the host computer via the Expansion Unit. The **Ready** indicator goes out when you enter the Menu Mode.

Alert (yellow) - this LED has no function in the Data Unit.

Fault (red) – when this LED lights, a Fault Screen appears in the display. The Fault Screen is described later in this chapter. A list of Fault Symptom Codes (FSC) and Error Recovery Procedures (ERP) appears in *Chapter 5 – Troubleshooting*.

Pushbuttons

The pushbuttons on the Data Unit Control Panel operate the same way as the pushbuttons on the Expansion Unit Control Panel; refer to the description of the pushbuttons for the Expansion Unit in the *MiniLibrary System User's Guide*.

The rest of the Data Unit controls on the front panel operate as do the similar controls on the Expansion Unit and MiniLibrary Base Module front panels; refer to the *MiniLibrary System User's Guide* for descriptions.

Front Panel and Media Locks

To avoid accidental interruption of system operation by entering the Menu Mode or removing cartridges while the host is accessing the system, the Data Unit front panel and the media can be locked electronically. When the front panel of the Expansion Unit is locked, you can only enter the Menu Mode after entering a 4-digit code. That is, when the Default Screen is displayed, pressing the **Enter** button does not invoke the Menu Mode until you enter the code. The front panel of a Data Unit cannot be unlocked without using the Security submenu on the Expansion Unit to unlock it. The Data Unit front panel is locked by default when the Data Unit is connected to an Expansion Unit.

Media located in the Data Unit can be locked and unlocked using the Security submenu on the Expansion Unit. When the media are locked, you can only remove media after unlocking the module from the Expansion Unit using the Security submenu.

Refer to the *MiniLibrary System User's Guide* for instructions on locking and unlocking modules.