# OPERATING NOTICE

## 64700-92004

**THIS PAGE MAY BE DISCARDED AFTER YOU PLACE THE DOCUMENT UNDER IT INTO THE BINDER.**

# Important Notice

## For HP 64700 Series Documents

This notice briefly describes the modular HP 64700 Series product structure and how existing manuals are affected by the changes in the structure. Although each HP 64700 Series product is now "modular" (may be ordered separately), only some HP 64700 Series manuals that accompany those products have been updated to describe the modular product structure.

The purpose of this notice is to show you how to use existing manuals with the modular HP 64700 Series products.

**Topics Described**

In this notice, these topics are described:

- Modular Product Structure
- Organization of Manuals
- Documents Not Used in the Modular Structure
- Installation/Service Guide
- Concepts Manual
- Ordering Terminal Interface Manuals Separately
- Using Earlier Versions of Cards
- To Install and Use Your System

## Modular Product Structure

You can now order individual HP 64700 Series products rather than an entire emulation and analysis system, if you want. Ordering components separately allows you to "mix and match" them to make a system that fits your development needs. The individual components that you can order include:

- HP 64700A card cage
- Emulator card sets for various processors
- Analyzers:
    - 64703A (64-channel emulation bus analyzer plus 16 channels of state/timing analysis)
    - 64704A (80-channel emulation bus analyzer)
    - 64706A (48-channel emulation bus analyzer)
- Memory cards for some processors
- HP 64701A LAN (Local Area Network) card

## How it Affects Existing Manuals

Because the product structure is "modular", and some manuals remain unchanged, those manuals describe several topics that are no longer appropriate in the modular structure. These include:

| Outdated Information in Older Documents | Corresponding New Information |
|---|---|
| Diagrams for original HP 64700 chassis. | HP 64700A card cage diagrams; refer to the *HP 64700 Installation/Service Guide.* |
| References to documents which are not shipped with modular HP 64700 series products. | Described later in this notice. |
| References to original product alpha characters. | Alpha characters for modular products are described in this notice. |

Although some references to documents are now inaccurate, product functionality remains the same.

## Updating Your System

If you are "mixing and matching" modular and original cards for emulators and analyzers in the HP 64700A card cage, be sure to update your software through the Flash EPROM Update as described in the *Installation/Service Guide.* Contact your Hewlett-Packard Representative for more information.

## What We Mean When We Say "Modular"

Earlier versions of HP 64700 Series products were referred to as emulation/analysis systems because they were built as complete development systems. Today we provide the flexibility that allows you to "mix and match" HP 64700 Series components, because the components are now separate products. The separate components are referred to as "modular products."

For example, in the original HP 64700 product structure, 647nnAL represented a self-contained emulation/analysis system with external state/timing analysis probes. Now the components that make up 647nnAL can each be ordered separately. The following table shows an example:

| System Product<br>Ordered in Original Structure | Equivalent Components<br>Ordered in the Modular Structure |
|---|---|
| HP 64749A | HP 64700A Card Cage<br>HP 64749G 68332 Emulator Card<br>HP 64704A Emulation Bus Analyzer Card |
| HP 64749AL | HP 64700A Card Cage<br>HP 64749G 68332 Emulator Card<br>HP 64703A Emulation Bus Analyzer Card with<br>External State/Timing Analyzer |

If you ordered an HP 64701A LAN card with your HP 64700 Series system product, it may have been installed in the HP 64700A card cage at the factory.

### In the Original Structure

The type of emulation/analysis system was referred to by an alpha character at the end of the model number (HP 647nnA/B/C/D). In the original documentation, references to the emulator type still include these alpha characters (A, B, C, D). Remember, because you have received this notice, you have also received manuals that still use these original alpha characters.

In addition, the presence of an external state/timing analyzer was represented by an "L" at the end of the product number (HP 647nnAL). In the original documentation, references to the external analyzer are still denoted by the "L" suffix.

### In the Modular Structure

Each component has a unique model number and alpha character. The type of emulator card set is referred to by a new alpha character at the end of the existing model number (HP 647nnF/G/H/J/K). In original documentation that is shipped with modular products, where you see references to the outdated alpha characters, please substitute the new alpha characters.

The external analyzer is now referred to as HP 64703A, as shown earlier in the table of equivalent components. This replaces references to the external state/timing analyzer as an "L" at the end of the product number in the original structure.

## Ordering Original System Products

You can still order original emulation/analysis system products with the original structure alpha characters (A, AL, B, BL, C, CL, D, DL, for example), at least through February 1991.

## Organization of Manuals

This is the documentation you will receive with HP 64700 Series modular products:

| Product | Model Number | Documentation | Binder Width |
|---------|--------------|---------------|--------------|
| Card cage | 64700A | *Installation/Service Guide*<br>*Support Services Guide* | 1 ½ inch |
| Emulator card sets | 647nnF/G/H/J/K | *Important Notice ***<br>*Terminal Interface User's Guide *** | 1 inch |
| | | *Concepts of Emulation and Analysis* | |
| Analyzers | 64703A<br>64704A<br>64706A | *Notice* | |
| YLO memory cards | 64725A<br>64726A<br>64727A | *Notice* | |
| LAN card | 64701A | *Notice* | |
| Softkey interfaces | 647nnS Opt 004 | *Important Notice ***<br>*Emulator Softkey Interface User's Guide ***<br>*Analyzer Softkey Interface User's Guide *** | 1 ½ inch |
| | | *Softkey Interface Reference *** | 1 ½ inch |
| PC interfaces | 647nnS Opt 006 | *Important Notice ***<br>*Emulator PC Interface User's Guide ***<br>*Analyzer PC Interface User's Guide *** | 1 ½ inch |
| | | *PC Interface Reference *** | 1 inch |

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* The notice will be included only with manuals that have not been rewritten to add
  usability improvements.

** These are existing manuals that haven't been rewritten for the modular structure.

NOTE:  A Support Services guide accompanies each binder.
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## Documents Not Used in the Modular Structure

You received this notice because some or all of the documentation for your product has not been updated for the new modular product structure. Some of those documents contain references to original documents that are not shipped with the modular structured products. This table lists those outdated documents and where you can find comparable information in other documents now shipped with modular HP 64700 Series products.

| Older Documents Not Used in the Modular Structure | New Location of Comparable Information |
|---|---|
| *System Overview Manual* | *Installation/Service Guide*<br>*Emulator/Analyzer User's Guides*<br>*Reference Manuals*<br>*Concepts of Emulation and Analysis* |
| *Hardware Installation and Configuration Manual* | *Installation/Service Guide* |
| *Softkey Interface Installation Notice* | *Installation/Service Guide* |
| *MS-DOS Software Applications Installation Manual* (for PC Interface installation) | *Installation/Service Guide* |
| *HP 64700 Manual Map* | Information about the modular structure of manuals is contained in this notice and in the *Installation/Service Guide*. The modular product structure, along with new and better organized manuals, keeps the documentation structure simple enough so that a manual map should not be needed. |
| *Glossary* | *Concepts of Emulation and Analysis*<br>*User's Guides*<br>*Reference Manuals* |
| *ROM Replacement Notice* | Information on updating ROMs is included with the Flash EPROM Update. Refer to the *Installation/Service Guide* for more information. |

## Installation/Service Guide

The *Installation/Service Guide* covers everything you might need to know about installing, updating, and servicing HP 64700 series hardware, firmware, and software products. Some topics described in this manual include:

- HP 64700 Features

- Hardware Removal/Installation

- Software Installation

- System Configuration

- Updating Your System

- Service Information

In this guide, hardware removal and installation information covers emulator, analyzer, memory, LAN, and Flash EPROM cards, and the external state/timing analyzer probes. The section on software installation describes the Softkey Interface, along with details about connecting to the host computer and setting up LAN. That section also describes installing the PC Interface.

Also, because the design of the HP 64700A card cage differs from the original HP 64700 chassis, detailed diagrams of the HP 64700A are provided.

## Concepts Manual

For those of you who want to "get an inside look" into emulation and analysis, a *Concepts of Emulation and Analysis* manual is now shipped with HP 64700 series modular emulator card sets (and with assembled emulation and analysis "system products" that contain an emulator card set). This manual explains how emulators work and how they can be used in advanced design tasks.

## Ordering Terminal Interface Manuals Separately

When you order an emulator, you will also receive an *Emulator Terminal Interface User's Guide* written specifically for the emulator card set you ordered. This is the only Terminal Interface manual that you will receive automatically with your emulator.

You may order other Terminal Interface manuals as a separate package. That package includes the *Analyzer Terminal Interface User's Guide*, *Coordinated Measurement Bus (CMB) User's Guide*, and the *Terminal Interface Reference*. Those manuals describe additional features of the built-in HP 64700 Terminal Interface that are not documented in the *Emulator Terminal Interface User's Guide*.

By not shipping these manuals automatically, Hewlett-Packard reduces your cost and the number of excess documents that you may not want or need. This allows you to "tailor" your order to fit your specific needs.

If you ordered the optional Terminal Interface documentation package, you received:

| Terminal Interface Documentation Package | Binder Width |
|---|---|
| *Analyzer Terminal Interface User's Guide* ** <br> *CMB Terminal Interface User's Guide* ** | 1 ½ inch |
| *Terminal Interface Reference* ** | 1 ½ inch |

** These existing manuals have not been rewritten for the modular structure.

NOTE:  A Support Services guide accompanies each binder.

### How to Order

If you did not order the Terminal Interface documentation package, but want those manuals, you must order the part number for that package. For more information, see your Hewlett-Packard Sales Representative.

## Using Earlier Versions of Cards

You can use earlier versions of HP 647nn(A,B,C,D) emulator and analyzer cards in the HP 64700A card cage. **If you choose to do this, or if you "mix and match" original and modular cards in the HP 64700A card cage, you must update your system using the Flash EPROM Update.**

For more information, refer to the *HP 64700 Installation/Service Guide* or contact your Hewlett-Packard Representative. Or, you may call the Hewlett-Packard Microprocessor Development hotline free of charge at 1-800-447-3282 (in the United States).

## To Install and Use Your System

Refer to the *HP 64700 Installation/Service Guide* for information about installing system components (including original and modular cards) and about connecting your HP 64700 Series system to a host computer or PC.

Refer to your *Softkey Interface, PC Interface,* or *Terminal Interface User's Guide* and *Reference* for details about using your HP 64700 Series emulator and analyzer.

### Connecting Emulator Cards Together

When you order an emulator, you will receive one or more cards. Make sure that you connect the cards together correctly when installing them in the HP 64700A card cage, by observing the markings on the cables and connectors. For more information, refer to the *HP 64700 Installation/Service Guide.*

### Using LAN

When using your emulator on the LAN, you must modify the file /usr/hp64000/etc/64700tab.net  For more information about using LAN,  your *HP 64700 Installation/Service Guide.*

### Solving Problems

Refer to the *HP 64700 Installation/Service Guide* for information about solving installation problems with your emulator, analyzer, LAN, or the HP 64700A Card Cage.

**Notes**