Installation Note

HP 86152A, Option 002 Upgrade Kit:
Upgrades HP E7460A Service Quality Analysis System to HP E7472A Cellular Integrated Air Interface Measurement System

HP 86151A, Option 003 Upgrade Kit:
Upgrades HP E7460A Service Quality Analysis System to HP E7470A PCS Integrated Air Interface Measurement System

Notice

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Products affected:	HP E7460A	
Applies to Versions:	A.04.00 and greater	
Serial Numbers:	Not applicable	
To Be Performed by:	[ ] HP Service Center	
	[ ] Personnel Qualified by HP	
	[ ] HP Personnel On-site	
	[X] Customer	
Estimated Installation Time:	20 minutes	
Estimated Verification Time:	30 minutes	

Description

This software/hardware upgrade is the complete upgrade package for converting from either of the following:

- HP E7460A application to the HP E7472A
- HP E7460A application to the HP E7470A

Use the enclosed CD-ROM to upgrade your HP software. Follow the installation instructions in "Installing the Upgrade" to ensure your success.

If you need further installation or application assistance, refer to "Calling for Assistance" in the *Getting Started Guide* (part number E7450-90017), provided with your original order.

Table 1-1   Upgrade Contents

Quantity	Description	Part Number for 86152A, Option 002	Part Number for 86151A, Option 003
1	PCS digital receiver	------------------------------	HP E6450B or HP E6450B, Option 200
1	PCS Integrated Air Interface Measurement Software (CD)	------------------------------	NA
1	Cellular digital receiver	E6452A or E6452A, Option 200	------------------------------
1	Cellular Integrated Air Interface Measurement Software (CD)	NA	------------------------------
1	Receiver-based software security key	NA	NA
1	Label for existing phone-based software security key	NA	NA
1	AC/DC power adapter	0950-2679	0950-2679

Quantity	Description	Part Number for 86152A, Option 002	Part Number for 86151A, Option 003
1	RS-232 cable	5182-4794	5182-4794
1	N to TNC adapter	1200-1897	1200-1897
1	Cigarette lighter power adapter	E6450-60010	E6450-60010
1	This Installation Note	E7450-90015, rev 2	E7450-90015, rev 2

What's Changed in the Upgrade

The receiver components of the systems provide four primary measurement classes:

- Spectrum analysis
- CW power
- Channel power
- CDMA pilot channel analysis

Installing the Upgrade

1. With the computer turned on, begin the installation process by inserting the CD-ROM into the CD-ROM drive. Choose **Start>Run**, and type **d: Setup.exe** (where d: is the drive containing the CD-ROM). Refer to steps listed Chapter 1, Installing the Software, of the *Getting Started Guide* (part number E7450-90017) for more information.

2. Click **OK**. Follow the instructions on the screen to complete installation of software.

3. Install the Socket Communications Ruggedized I/O card.

4. Attach the enclosed label to your existing HP E7450A software security key. The software certificate included with your upgrade provides you with a serial number used by Hewlett-Packard to track and monitor technical services provided, including one year free technical support. Please retain this certificate, and have it available when you contact Hewlett-Packard concerning software technical issues.

5. To obtain complete software control of both the CDMA phone and the HP digital receiver, connect **both** software security keys to the parallel port of the PC.

6. Perform verification tests outlined in Chapter 4, "Verifying the System," of the *Getting Started Guide* (part number E7450-90017).

7. Create a project using CELLULAR CDMA or PCS CDMA phone and verify that the application communicates with the phone when you select Collection and one of the phone VFP's.

Managing Software Security Keys with the License Manager

The software security key that came with your Hewlett-Packard system enables and secures the functionality you purchased from HP. The HP License Manager, automatically installed when you install an HP E74xx Series product, enables you to manage licensing security information. You can use the software to:

- Transfer a license from one key to another. You can transfer the license on your original key to the new one you receive with this upgrade.

- Add product options to license keys. You can add licenses (temporary or permanent) to the license key by entering a string obtained from an HP representative

- Transfer licensed product options between license keys in order to consolidate licenses onto one key.

- Transfer licenses between keys on different computers. You can move license options to license keys on another computer that is located anywhere from the same room to another country.

A License Manager icon appears in the HP74xx group on the Program menu (see Figure 1 for an example).
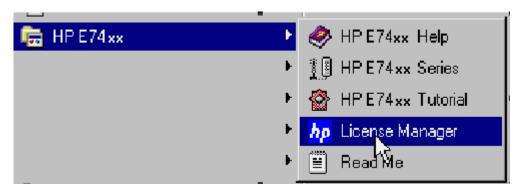

Figure 1   A Sample HP License Manager Icon

Starting the License Manager

Open the Start menu and choose **Programs > HP E74xx > HP License Manager**. The License Manager software starts.

Refer to the following topics in the License Manager online help:

- Transfer Licensed Product Options Between License Keys

- Upgrade Keys

Learning the License Manager

For further information about the HP License Manager, refer to the following resources:

Resource	Description
Online Help	Available from the software's Help menu or by pressing F1, covers all functionality. It is the program's reference and includes step-by-step instructions for basic operations
Support	Available from the Help menu, directs you to the support provided by HP.