



# **Agilent IMS-SIP Network Emulator Software (E6966A)**

## **Installation Guide**



**Agilent Technologies**

# Notices

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## Statement of Compliance

This product has been designed and tested in accordance with accepted industry standards, and has been supplied in a safe condition. The documentation contains information and warnings that must be followed by the user to ensure safe operation and to maintain the product in a safe condition.

## Manual Part Number

E6966-90001

## Edition

March 2013

Applies to Software Version ≥ 6.x

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## CAUTION

**A CAUTION notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in damage to the product or loss of important data. Do not proceed beyond a CAUTION notice until the indicated conditions are fully understood and met.**

## WARNING

**A WARNING notice denotes a hazard. It calls attention to an operating procedure, practice, or the like that, if not correctly performed or adhered to, could result in personal injury or death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood and met.**

## Where to Find the Latest Information

Documentation is updated periodically. For the latest information about the E6966A IMS-SIP Network Emulator product, consult the following website: [www.agilent.com/find/E6966A](http://www.agilent.com/find/E6966A).

For the latest information about the E6621A PXT product, including operating and application information and product and accessory information, see the following website: [www.agilent.com/find/pxt](http://www.agilent.com/find/pxt).

For the latest information about the 8960 product, including operating and application information and product and accessory information, see the following website: [www.agilent.com/find/8960](http://www.agilent.com/find/8960)

## Is your product software up-to-date?

Periodically, Agilent releases software updates to incorporate product enhancements, and fix known defects. To search for software updates for your Agilent E6966A, go to the Technical Support website at [www.agilent.com/find/E6966A\\_software](http://www.agilent.com/find/E6966A_software).

<b>NOTE</b>	You are directed to the above website, because it contains information specific to the E6966A. In general, all PXT software products are available for download from <a href="http://www.agilent.com/find/softwaremanager">www.agilent.com/find/softwaremanager</a> . All 8960 software products are available for download from this is the website: <a href="http://www.agilent.com/find/wlcontract">www.agilent.com/find/wlcontract</a> .
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<b>IMPORTANT</b>	You need an active Agilent Upgrade Contract (AUC) for the 8960 and a Software and Technical Support Contract (STSC) for the PXT in order to obtain the most current software for these two products.
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**Agilent E6966A IMS-SIP Network Emulator Software  
Installation Guide**

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**Agilent E6966A IMS-SIP Network Emulator Software  
Installation Guide**

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## 1 Introduction

Welcome to the **Agilent E6966A IMS-SIP Emulator Installation Guide**. The purpose of this guide is to provide you with installation and licensing instructions for the Agilent E6966A - 1FP (server emulator) and E6966A – 2FP (client emulator).

The E6966A Network Simulator is an IMS-SIP server-client pair that enables you to test and demonstrate (using the E2E application test) the UE's ability to perform the various IP based applications: VoIP, Video, and SMS.

<b>NOTE</b>	To support the End-to-End (E2E) application, two clients and one server are required.
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This product supports the following features for LTE:

- IPv4 and IPv6
- Voice: E2E, Echo, and File Playback
- Video: E2E and File Playback
- Text Messaging: Plain, 3GPP, 3GPP2 encoded SMS
- AKAv1, AKAv2, and MD5 authentication algorithms
- Initial support for SigComp
- Preliminary support for emergency-sessions
- Externally-accessible API support (WCF and COM-based).
- Control-Plane message filtering (API-only)
- User-Plane data-proxying and filtering (API-only)
- Supplementary Service support
  - Originating Identity Presentation/Restriction (OIP/OIR)
  - Terminating Identity Presentation/Restriction (TIP/TIR)
- Procedures defined in 3GPP 24.229 R8
- Windows XP
- Windows 7 Products: Home Premium, Professional, and Ultimate

### ***In this book, you'll find:***

- [Overview of System Component Requirements](#)
- [Installation](#)
- [Licensing](#)
- [Uninstalling the E6966A](#)
- [Service and Support](#)

## 2 Overview of System Component Requirements

This section provides an overview of the components required to use the E6966A.

### ***Server and Client PC Requirements***

An IBM® (or compatible) PC with at least:

- Processor: 2.0 GHz Pentium 4® or equivalent
- Operating System: Microsoft® Windows® XP Professional Service Pack 3 (English version only) or Windows 7 Professional
- Memory: 2 GB RAM
- Hard Disk Space: 2 GB of available hard disk space
- Connection: IP Network Connection (broadband, LAN, and wireless)
- LAN Port (If you are using LAN for your connection.)
- Sound Card: Full-duplex, 16-bit
- 2 USB ports: (2.0 or later)

<b>NOTE</b>	Both the E6966A Server and Client software can be installed on the same PC, however in this situation, use only the E6966A-1FP (server license) to activate BOTH products. See "Licensing Use Cases" in the E6966A Help file for more information.
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### ***Other Requirements***

- Microsoft Internet Explorer® version 6.0 or later
- E6966A-1FP IMS-SIP Server Emulator fixed, perpetual license (To obtain your license, follow the instructions on the Software Entitlement Certificate you received upon ordering the software.) See "Licensing" in the E6966A Help file for more information.
- E6966A-2FP IMS-SIP Client Emulator fixed, perpetual license (To obtain your license, follow the instructions on the Software Entitlement Certificate you received upon ordering the software.) See "Licensing" in the E6966A Help file for more information.
- E6966A-1FP IMS-SIP Server Emulator Software (You will need access to the web at: [www.agilent.com/find/E6966A\\_software](http://www.agilent.com/find/E6966A_software)).
- E6966A-2FP IMS-SIP Client Emulator Software (You will need access to the web at: [www.agilent.com/find/E6966A\\_software](http://www.agilent.com/find/E6966A_software)).

Refer to the E6966A release notes located here: [www.agilent.com/find/E6966A\\_software](http://www.agilent.com/find/E6966A_software) for further clarification.



### 3 Installation

This section contains what you need to know before you install this product as well as installation instructions.

1. Close any applications currently running.
2. Open the Installer self extracting zip file. (The default extract location is C:\Temp.)
3. Navigate to the folder where the zip content was extracted in step 2.
  - a. This folder contains a version-specific directory for the application:  
(For example: C:\Temp\E6966A IMS-SIP Server V03.00.00 Installer)
  - b. Navigate into the version-specific directory and run the executable:  
E6966A-1FP\_Setup.exe
4. Your system may be prompted to reboot.

<b>NOTE</b>	You <i>may</i> need to manually restart the installer executable upon reboot.
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## 4 Licensing

### ***Licensing the Server Software***

1. The Agilent E6966A IMS-SIP Server emulator requires an E6966A-1FP license.
2. The installer for this application installs the Agilent License Manager (ALM).
3. After the installation is complete, you are required to obtain the ALM HostID associated with your server PC by performing one of the following:
  - a. Open the Agilent License Manager application and note the value of the “Host ID” field.
  - b. Run the IMS-SIP Server application (in administrator mode). The application shows a message box indicating that the product is not licensed and displays the required Host ID information.

(The Host ID associated with your Server PC is required to redeem the E6966A-1FP license entitlement supplied with your purchase.)
4. Consult the instructions on the entitlement certificate for guidance on license redemption.

<b>NOTE</b>	The E6966A-1FP license entitles you to install both the E6966A IMS Server AND Client applications on the SAME Host PC for which you redeemed your E6966A-1FP license.
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### ***Licensing the Client Software***

1. The Agilent E6966A IMS-SIP Client Emulator requires an E6966A-2FP license when installing on a PC other than the one which you installed the server software.
2. The installer for this application installs the Agilent License Manager (ALM).
3. After the installation is complete, you are required to obtain the ALM Host ID associated with your client PC by performing one of the following:
  - a. Open the Agilent License Manager application and note the value of the “Host ID” field.
  - b. Run the IMS-SIP Client application (in administrator mode). The application shows a message box indicating that the product is not licensed and displays the required Host ID information.

(The Host ID associated with your Client PC is required to redeem the E6966A-2FP license entitlement supplied with your purchase.)
4. Consult the instructions on the entitlement certificate for guidance on license redemption.

<b>NOTE</b>	The E6966A-1FP license entitles you to install both the E6966A IMS Server AND Client applications on the Host PC for which you redeemed your E6966A-1FP license. However, to install the E6966A IMS Client application on a different Host PC, you must obtain an E6966A-2FP license.
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## 5 Uninstalling the E6966A

### ***When Using MS Windows XP***

1. Open the **Windows Control Panel** from the **Start** Menu and select **Add/Remove Programs**.
2. From the **Add/Remove Programs** window, select "Agilent E6966A IMS-SIP Server Emulator" or "Agilent E6966A IMS-SIP Client Emulator".
3. Select "Remove" and follow the instructions.

### ***When Using MS Windows 7.0***

1. Select the Start icon > **Control Panel** > **Programs** > **Programs and Features** > **Uninstall a Program**.
2. From the **Uninstall or Change a Program** window, select "Agilent E6966A IMS-SIP Server Emulator" or "Agilent E6966A IMS-SIP Client Emulator".
3. Select "Uninstall" and follow the instructions.

## 6 Service and Support

### ***Calling Agilent Technologies***

Agilent Technologies has offices around the world to provide you with complete support for your products. For help, to obtain servicing information or to order replacement parts, contact the nearest Agilent Technologies office listed on page 6. In any correspondence or telephone conversations, you will need the product number, full serial number, software revision and any other pertinent contract numbers.

### ***Web-based support***

You can directly enter and manage your support requests online via

[www.agilent.com/find/mysupportcenter](http://www.agilent.com/find/mysupportcenter).

The first time you use My Support Center you will be asked to create a profile and provide proof of entitlement. Once your profile is created, you can use the online support center to enter your support request.

Each support request will be given a unique case number which you can use to track the progress of your support case. A technical expert will contact you via phone or email (whichever you have stated as your preferred option) to resolve your issue.

English, Japanese, Korean, and Mandarin local language support is available.

### ***E-mail support***

You can also contact our technical support at the following e-mail addresses:

- [wireless\\_test\\_support\\_americas@agilent.com](mailto:wireless_test_support_americas@agilent.com)
- [wireless\\_test\\_support\\_japan@agilent.com](mailto:wireless_test_support_japan@agilent.com)
- [wireless\\_test\\_support\\_europe@agilent.com](mailto:wireless_test_support_europe@agilent.com)
- [wireless\\_test\\_support\\_asia@agilent.com](mailto:wireless_test_support_asia@agilent.com)
- [wireless\\_test\\_support\\_korea@agilent.com](mailto:wireless_test_support_korea@agilent.com)

Your support request will be routed to a technical expert who will contact you via e-mail or phone (whichever you have stated as your preferred option) to help resolve your issue.

English, Japanese, Korean, and Mandarin local language support is available.

## Locations for Agilent Technologies

Online assistance: <http://www.agilent.com/find/assist>

If you do not have access to the Internet, one of these centers can direct you to your nearest representative:

If you have a current STSC for the E6621A, you can contact Agilent at the email addresses listed in "Software and Technical Support Contracts" on page 7.

Should the Declaration of Conformity be required, please contact an Agilent Sales Representative, or the closest Agilent Sales Office. Alternately, contact Agilent at: [www.agilent.com](http://www.agilent.com).

### Americas

Brazil  
(11) 4197 3600

Canada  
(877) 894 4414

Mexico  
01800 5064 800

United States  
(800) 829 4444

### Asia Pacific

Australia  
1 800 629 485

India  
1 800 112 929

Malaysia  
1 800 888 848

China  
800 810 0189

Japan  
0120 (421) 345

Singapore  
1 800 375 8100

Hong Kong  
800 938 693

Korea  
080 769 0800

Taiwan  
0800 047 866

Other Asian Countries:

[www.agilent.com/find/contactus](http://www.agilent.com/find/contactus)

### Europe & Middle East

Belgium  
32 (0) 2 404 93 40

Ireland  
1890 924 204

Spain  
34 (91) 631 3300

Denmark  
45 45 80 12 15

Israel  
972-3-9288-504/544

Sweden  
0200-88 22 55

Finland  
358 (0) 10 855 2100

Italy  
39 02 92 60 8484

Switzerland  
0800 80 53 53

France  
0825 010 700\*  
\*0.125 €/minute

Netherlands  
31 (0) 20 547 2111

United Kingdom  
44 (0) 118 927 6201

Germany  
49 (0) 7031 464 6333

Other Unlisted Countries:

[www.agilent.com/find/contactus](http://www.agilent.com/find/contactus)

