

IT9000 Control Software

PV8900 Installation Instruction

Notices

© Itech Electronic, Co., Ltd. 2024

No part of this manual may be reproduced in any form or by any means (including electronic storage and retrieval or translation into a foreign language) without prior permission and written consent from Itech Electronic, Co., Ltd. as governed by international copyright laws.

Manual Part Number

IT9000-PV8900

Revision

3 Edition: Dec. 4, 2024

Itech Electronic, Co., Ltd.

Trademarks

Pentium is U.S. registered trademarks of Intel Corporation.

Microsoft, Visual Studio, Windows and MS Windows are registered trademarks of Microsoft Corporation in the United States and/or other countries and regions.

Warranty

The materials contained in this document are provided “as is”, and is subject to change, without prior notice, in future editions. Further, to the maximum extent permitted by applicable laws, ITECH disclaims all warrants, either express or implied, with regard to this manual and any information contained herein, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. ITECH shall not be held liable for errors or for incidental or indirect damages in connection with the furnishing, use or application of this document or of any information contained herein. Should ITECH and the user enter into a separate written agreement with warranty terms covering the materials in this document that conflict with these terms, the warranty terms in the separate agreement shall prevail.

Technology Licenses

The hardware and/or software described herein are furnished under a license and may be used or copied only in accordance with the terms of such license.

Restricted Rights Legend

Restricted permissions of the U.S. government. Permissions for software and technical data which are authorized to the U.S. Government only include those for custom provision to end users. ITECH provides this customary commercial license in software and technical data pursuant to FAR 12.211 (Technical Data) and 12.212 (Computer Software) and, for the Department of Defense, DFARS 252.227-7015 (Technical Data – Commercial Items) and DFARS 227.7202-3 (Rights in Commercial Computer Software or Computer Software Documentation).

Safety Notices

CAUTION

A CAUTION sign denotes a hazard. It calls attention to an operating procedure or practice 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 sign until the indicated conditions are fully understood and met.

WARNING

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



NOTE

A NOTE sign denotes important hint. It calls attention to tips or supplementary information that is essential for users to refer to.

Content

Chapter1	Introduction	1
1.1	About this manual.....	1
1.2	Document Information.....	1
1.3	Brief Introduction.....	1
1.4	Software Matching Relationship and Mode of Access.....	1
Chapter2	Installing Software	3
2.1	Installing Operating System.....	3
2.2	Installing NI 488.2 Driver	3
2.3	Installing NI VISA	6
2.4	Installing ICP Driver	10
2.5	Installing IT9000 Software.....	14
2.6	Verifying the Installation	15
Chapter3	Removing Software	16

Chapter1Introduction

1.1 About this manual

This manual, as an installation and operation guide for the user, includes the following contents:

- Introduction
- Installing Software
- Removing Software

1.2 Document Information

The supporting documentations of IT9000-PV8900 are as follows which can be accessed via the CD supplied with the instrument or ITECH official website.

Manual Title		Description
IT9000-PV8900	Installation Instruction	Explain how to install, inspect the software, and how to connect accessories.
IT9000-PV8900 User Manual		Introduce the functions and operating methods of IT9000-PV8900.

1.3 Brief Introduction

IT9000-PV8900 is a kind of easy-to-use and practicable control software designed by Itech Electronics Co., Ltd. It is applicable to Itech IT8900 Series electronic loads. With this software, you can take all operations for load front panel via computer control and enjoy great convenience in remote control. This software supports RS232, USB, GPIB and Ethernet serial port communication.

1.4 Software Matching Relationship and Mode of Access

Software matching relationship required by IT9000 is as follows:

Item	Version	Obtained Method
Operating System	Windows	-
.Net Frame Work	.Net Frame Work 4.0 or above	Download from the official website https://dotnet.microsoft.com/download/dotnet-framework
OFFICE	2007 or above	Download from the official website or obtained from delivery U disk (If include) .
VISA	Suggest latest version.	Download from the official website https://www.ni.com/en/support/downloads/drivers/download.ni-visa.html
ICP(IVI)	Suggest latest version.	Download from the official website https://www.ni.com/en/support/downloads/drivers/download.iv-compliance-package.html
NI488.2	Suggest latest version.	Download from the official website https://www.ni.com/en/support/downloads/drivers/download.ni-488-2.html
IT9000 Software	IT9000_V1.0.0.X	-

Chapter2Installing Software

2.1 Installing Operating System

Install operating systems of corresponding versions based on installation requirements. For detailed installation steps, refer to corresponding operation guidance on Windows operating system installation software.

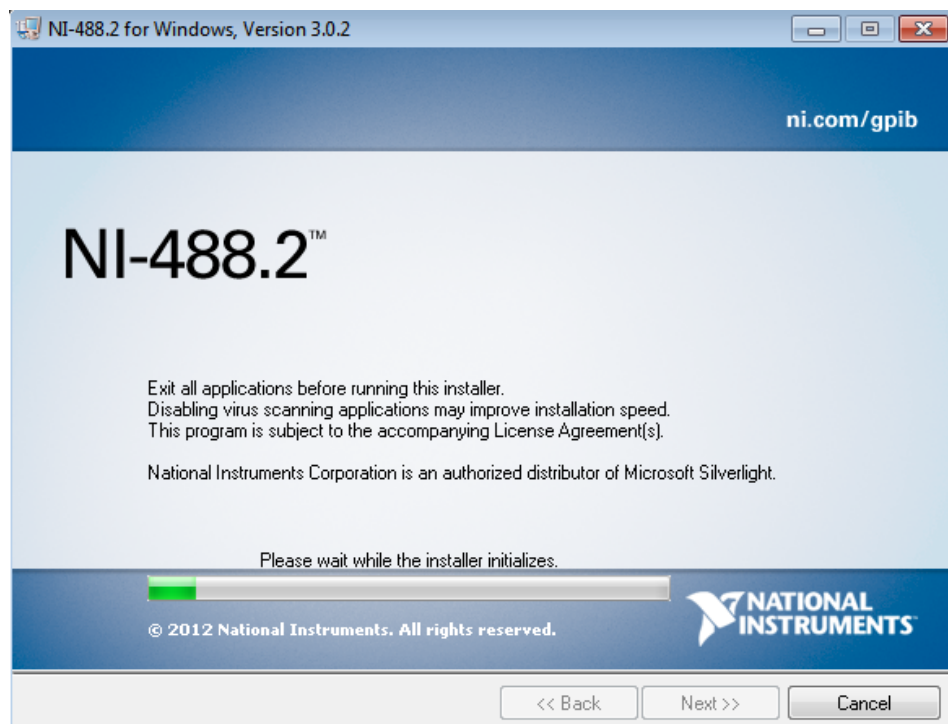
To use Export function of IT9000 software, be sure to install OFFICE software.

2.2 Installing NI 488.2 Driver

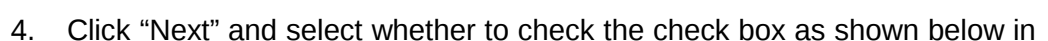
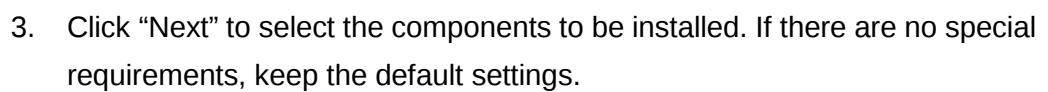
It is applicable to industrial standards for developing GPIB applications. Windows NI-488.2 integrates a complete set of developing tools to enable fast starting and operation of applications, and its high-performance drivers save test time and improve efficiency to the maximum extent. This driver needs to be installed only when GPIB communication is selected.

Procedure

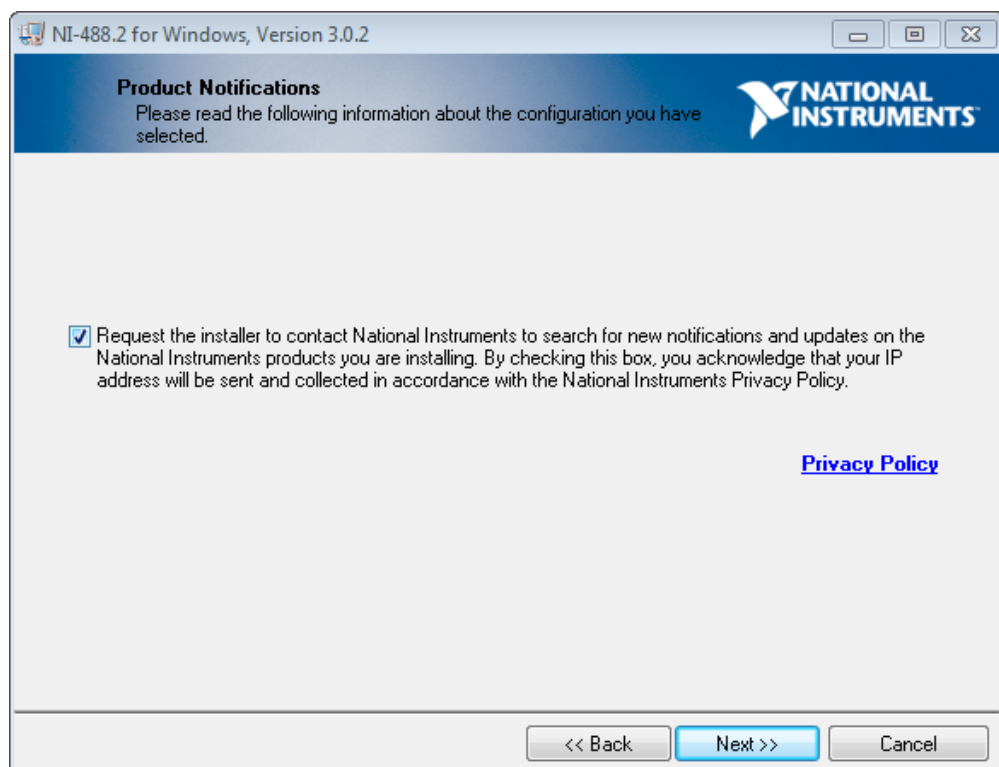
1. Run setup.exe in the folder Install Package.



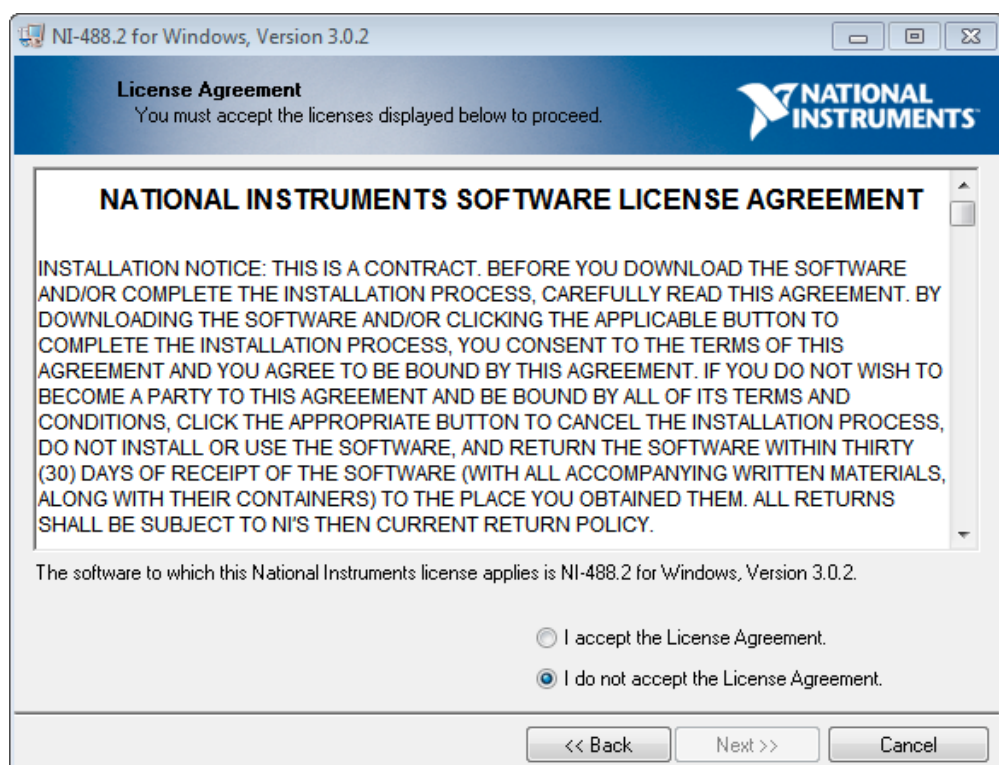
2. Click "Next" to enter the Select Page of Installation Directory.



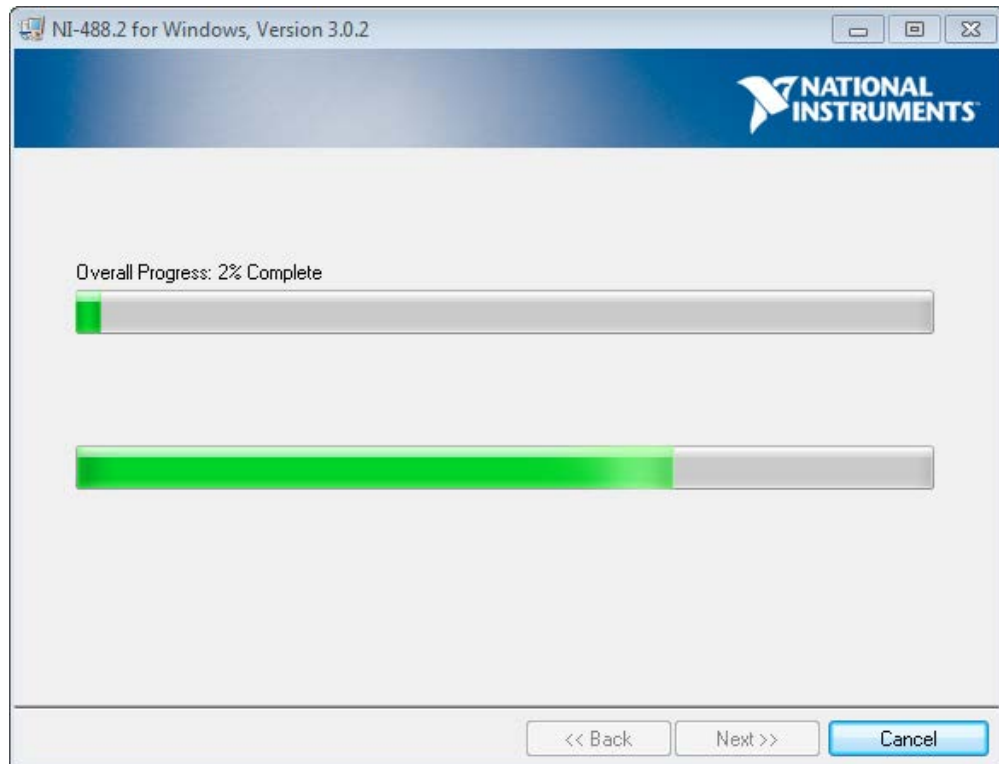
the “Product Notice” page.



5. Click “Next” and select whether to read and accept the terms in the License Agreement.



6. Click “Next” to install.



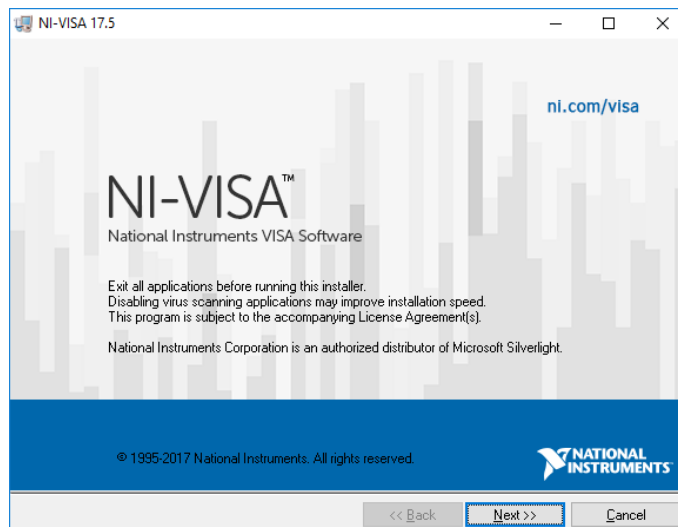
7. After the installation finished, click "Next", and the message "Restart Computer" will pop up. You can select "Restart Later" to restart the computer after all other drivers are installed.

2.3 Installing NI VISA

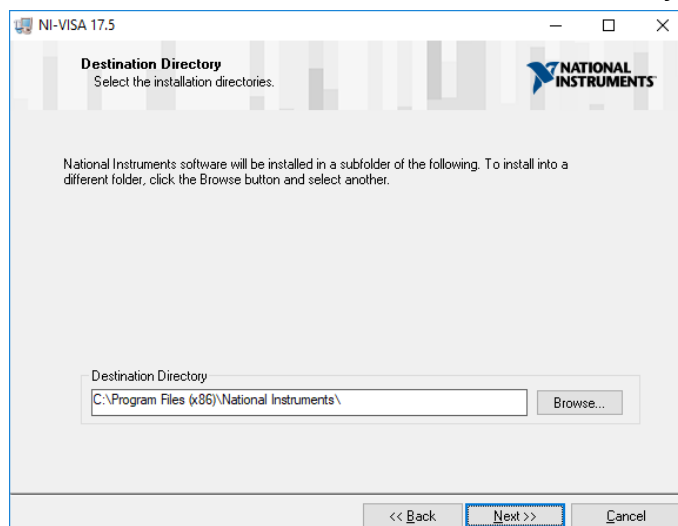
NI-VISA is a VISA I/O standard implemented by NI. It provides the programming interfaces between hardware and application development environments like NI LabVIEW, LabWindows/CVI and Measurement Studio (used for Microsoft Visual Studio).

Operation Steps

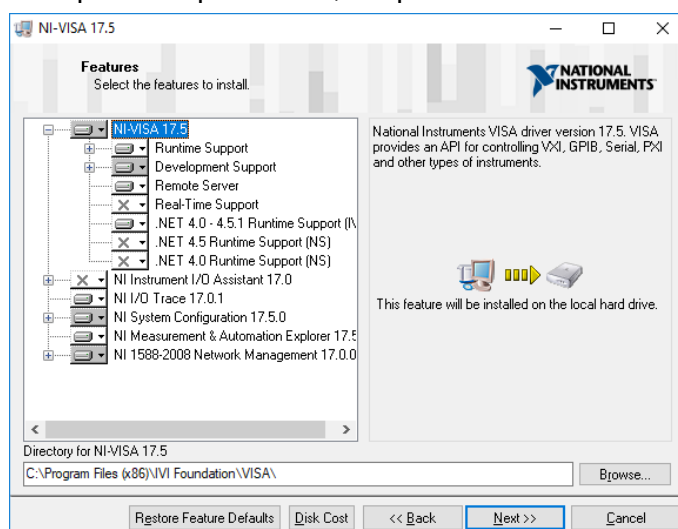
1. Run setup.exe in the folder Install Package.



2. Click 'Next' and select the Destination Directory.

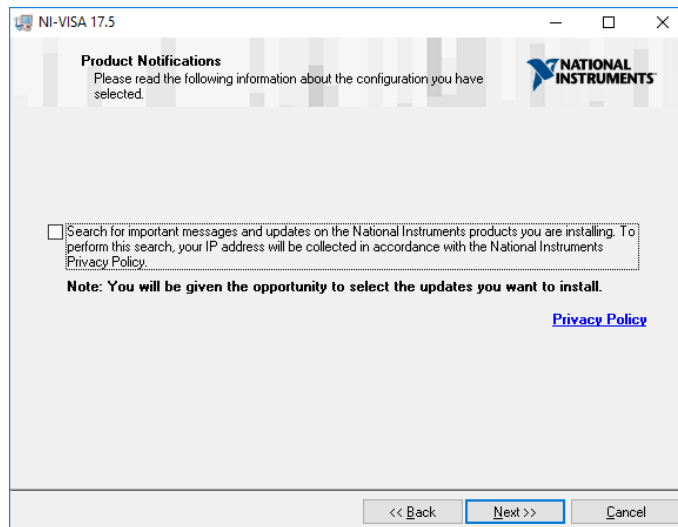


3. Click 'Next' and select the components to be installed. If there are no special requirements, keep as default.

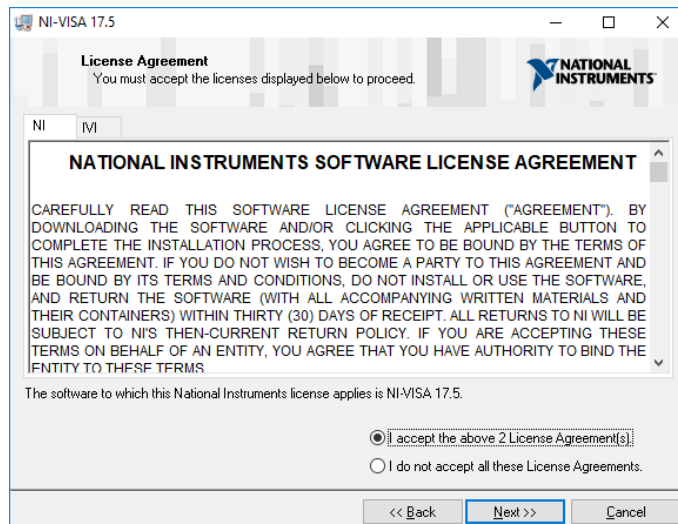


4. Click 'Next' and select whether to check the check box as shown below in

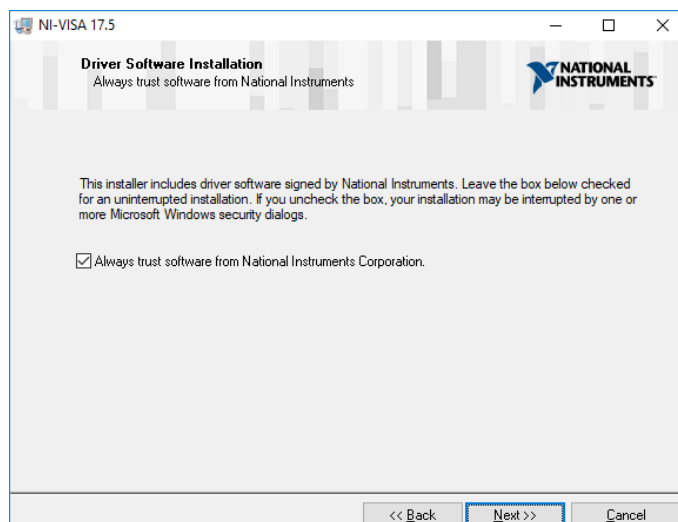
the 'Product Notifications' page.



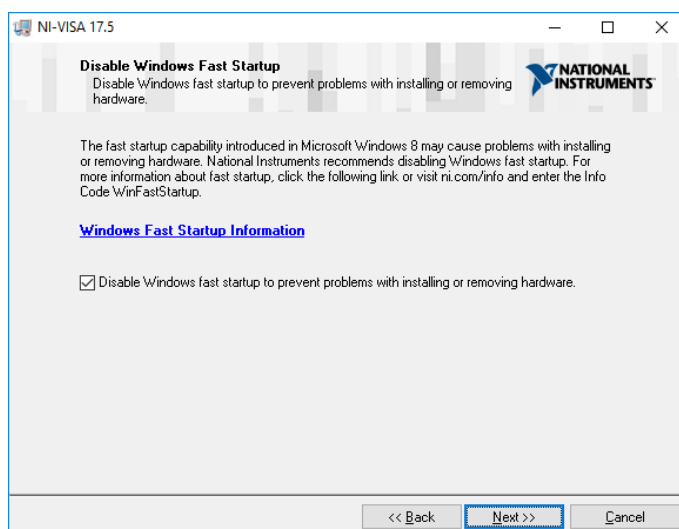
5. Click 'Next'. Read and accept the terms in the License Agreement.



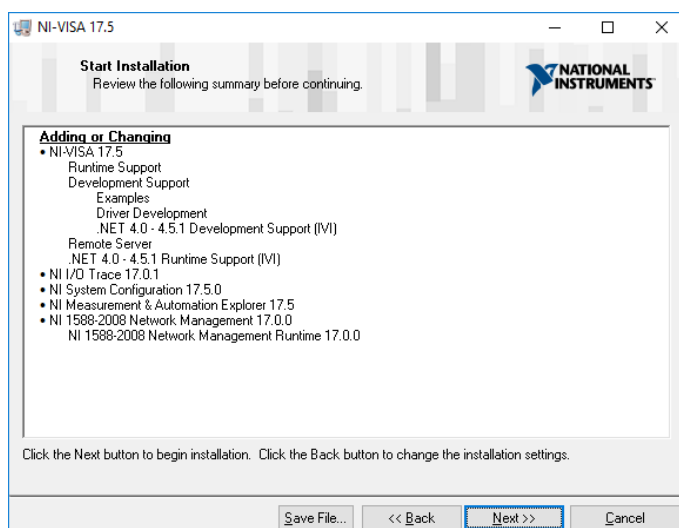
6. Click 'Next'.



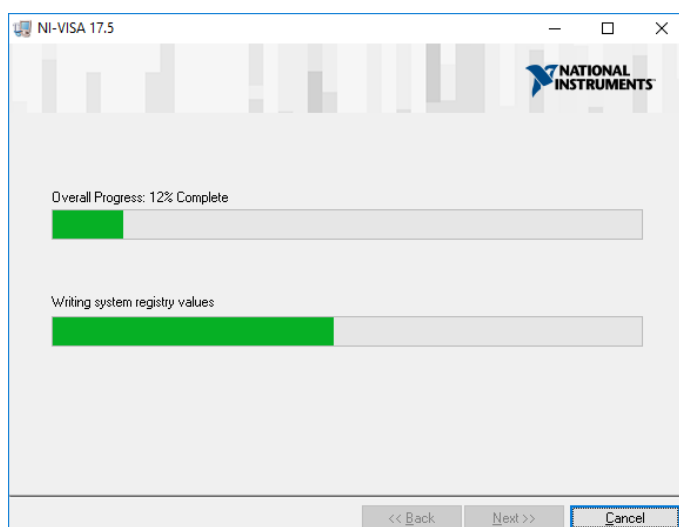
7. Click 'Next'.



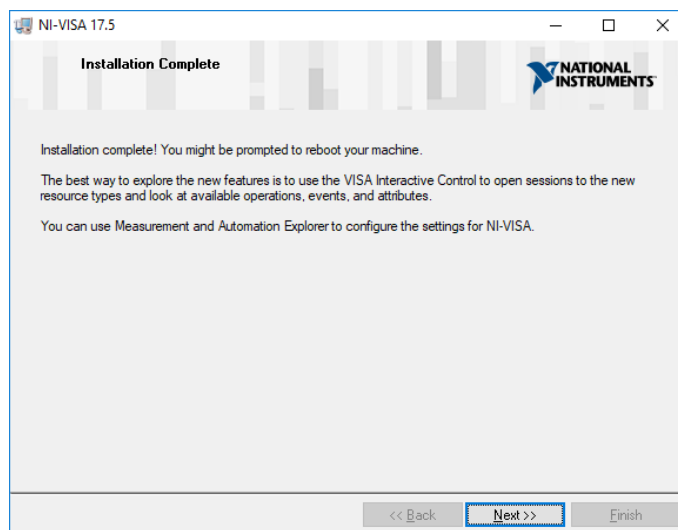
8. Click 'Next'.



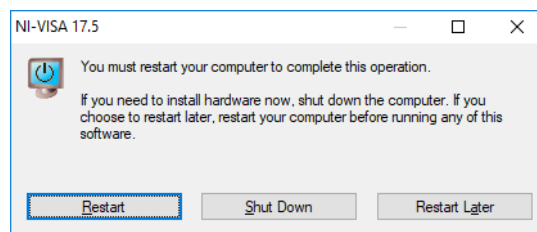
9. Click 'Next' to install.



10. After the installation is complete, the following page displays.



11. Click 'Next', and the message of 'Restart Computer' will pop up. Restart the computer to make driver installation effective.

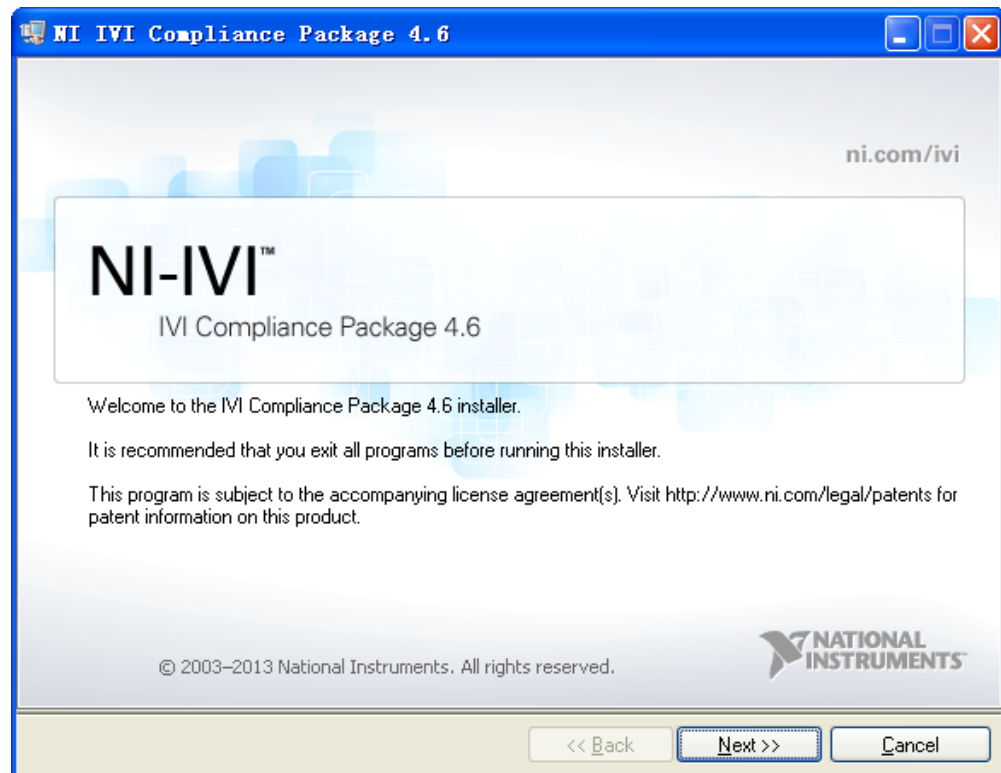


2.4 Installing ICP Driver

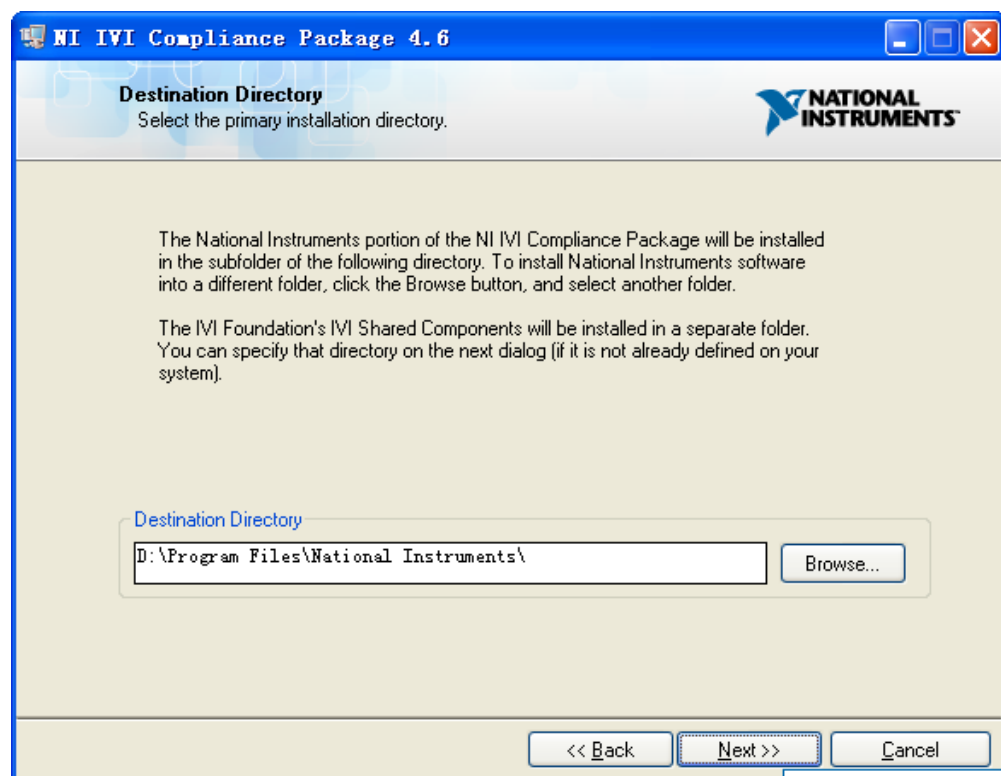
The NI IVI Compliance Package comprises class drivers and support libraries for developing and using IVI device interchangeability applications. ICP is based on and conforms to the latest versions of the instrument programming specifications defined by IVI Fund.

Operation steps

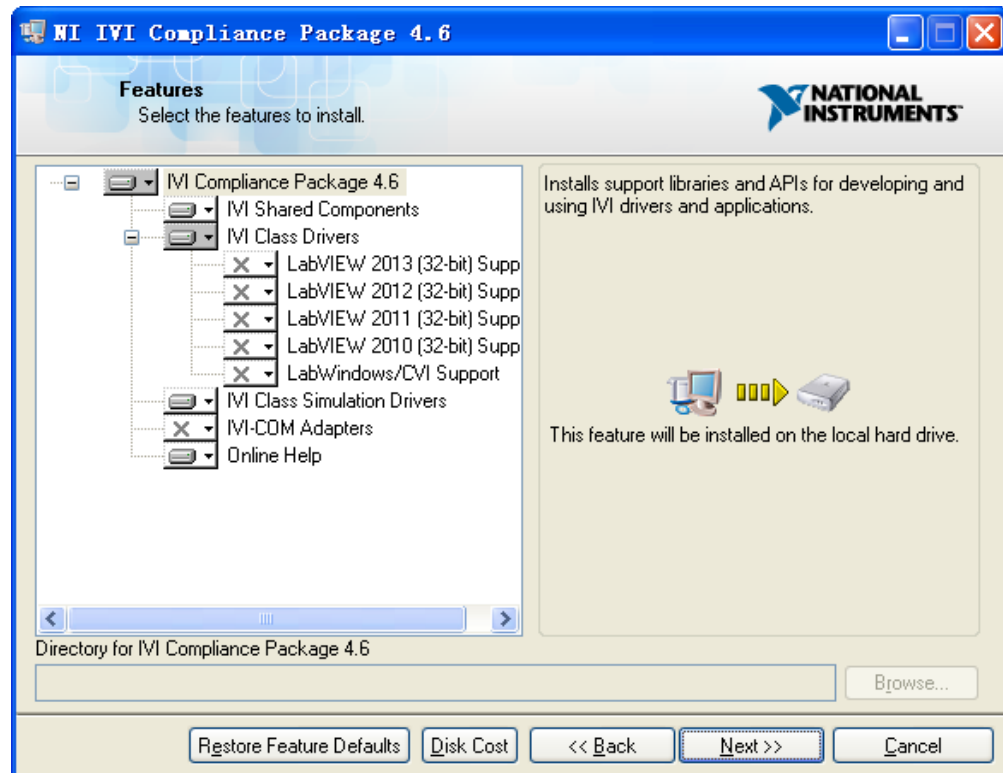
1. Run setup.exe in the folder Install Package.



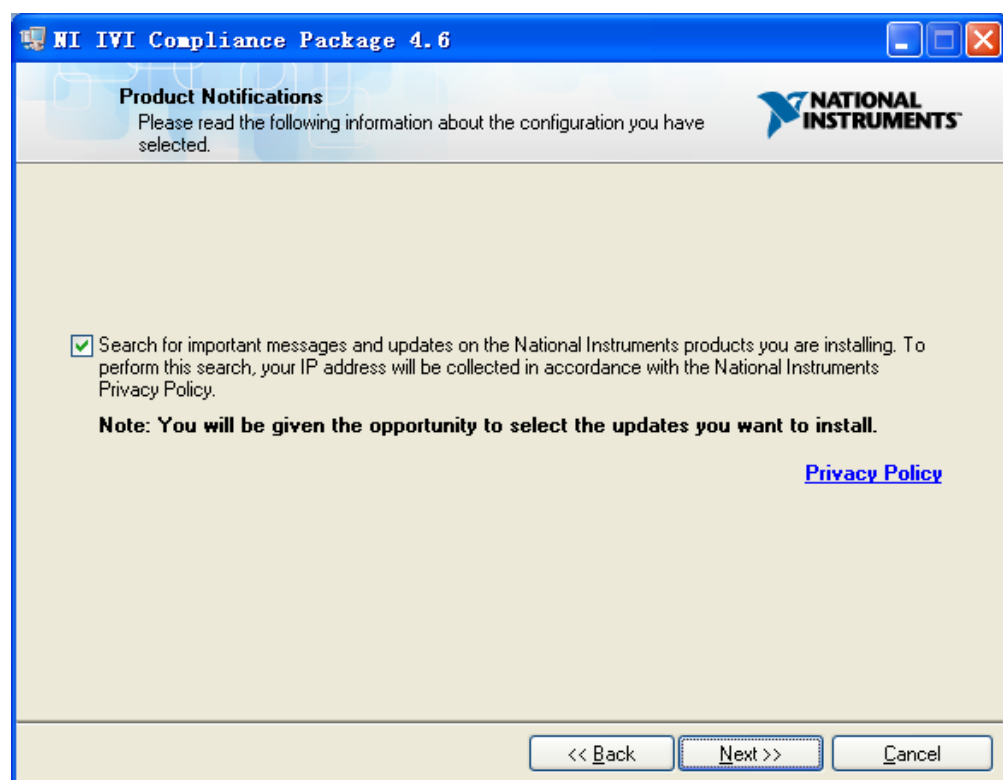
2. Click “Next” to enter the Select Page of Installation Directory.



3. Click “Next” to select the components to be installed. If there are no special requirements, keep as default.



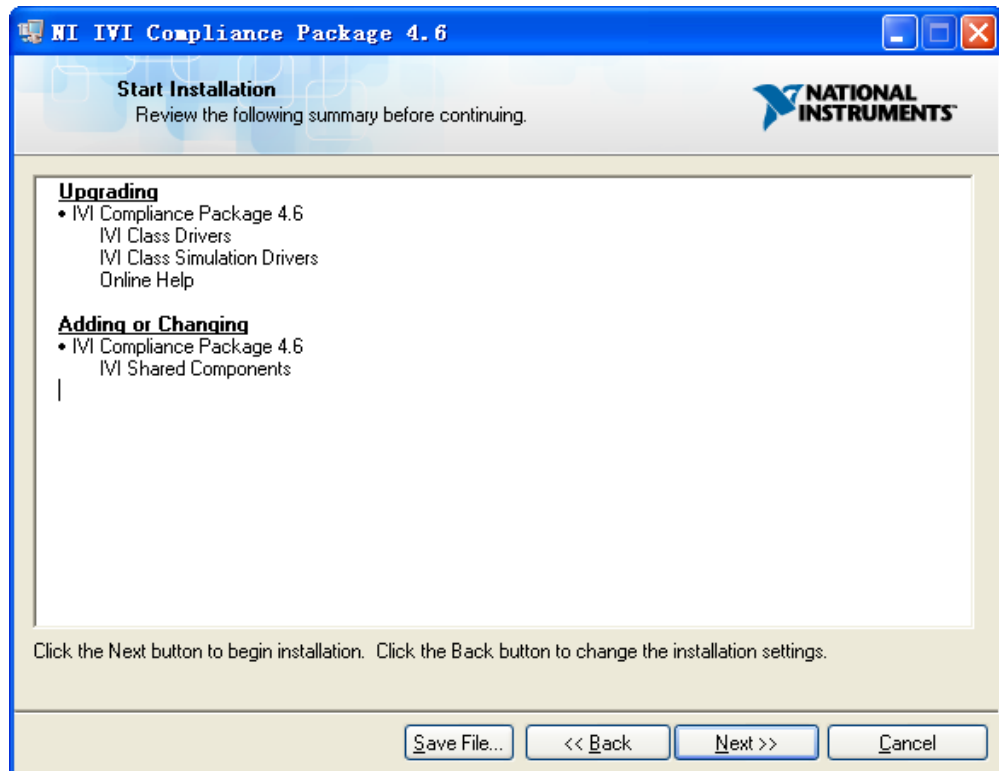
4. Click “Next” and select whether to check the check box as shown below in the “Product Notice” page.



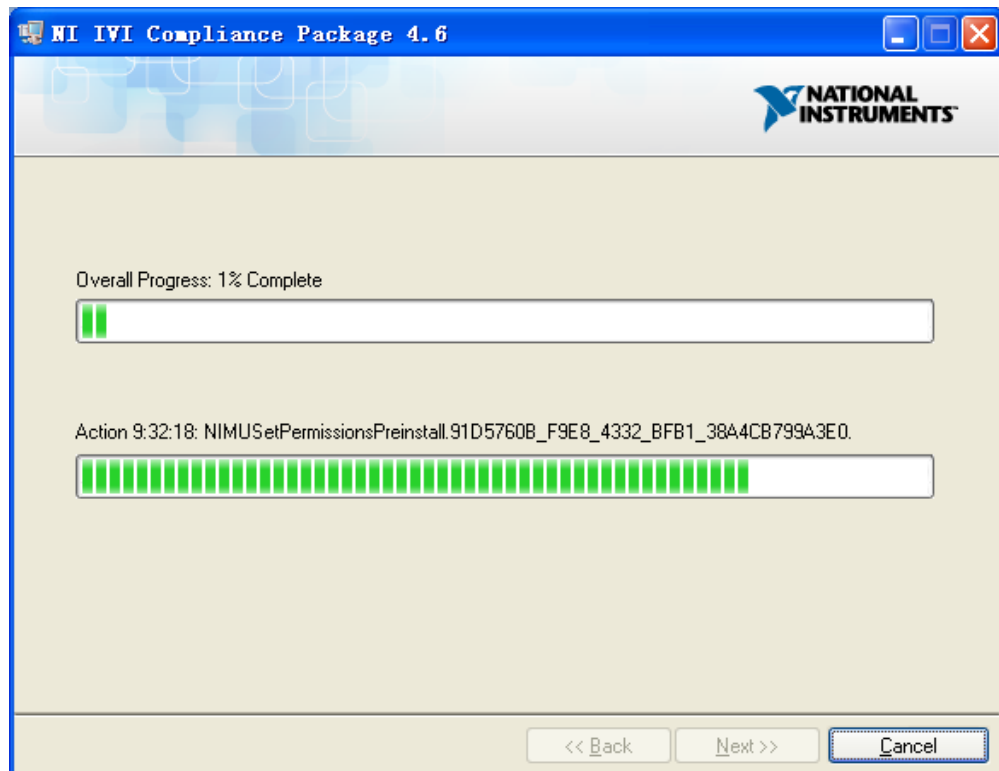
5. Click “Next” and select whether to read and accept the terms in the License

Agreement.

6. Click "Next" to confirm installation information.



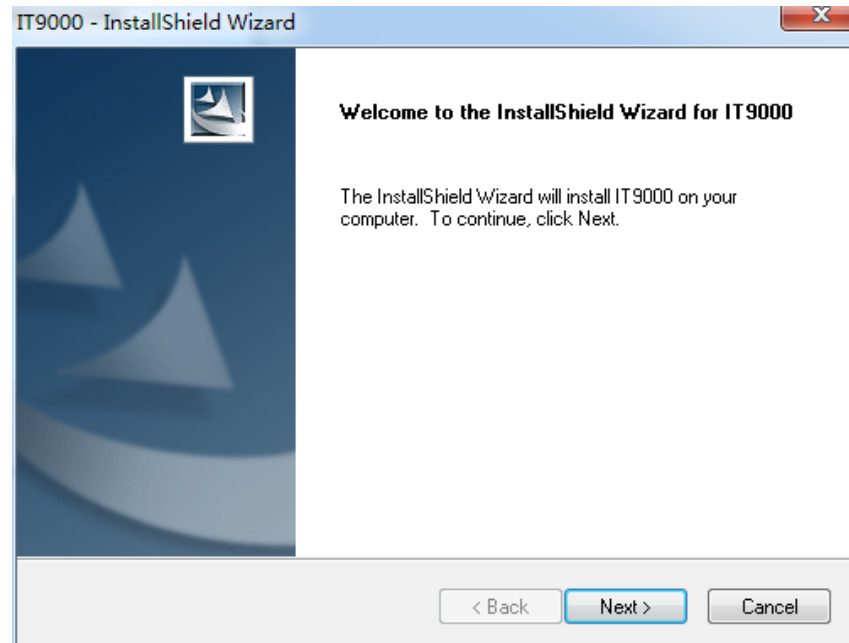
7. Click "Next" to install.



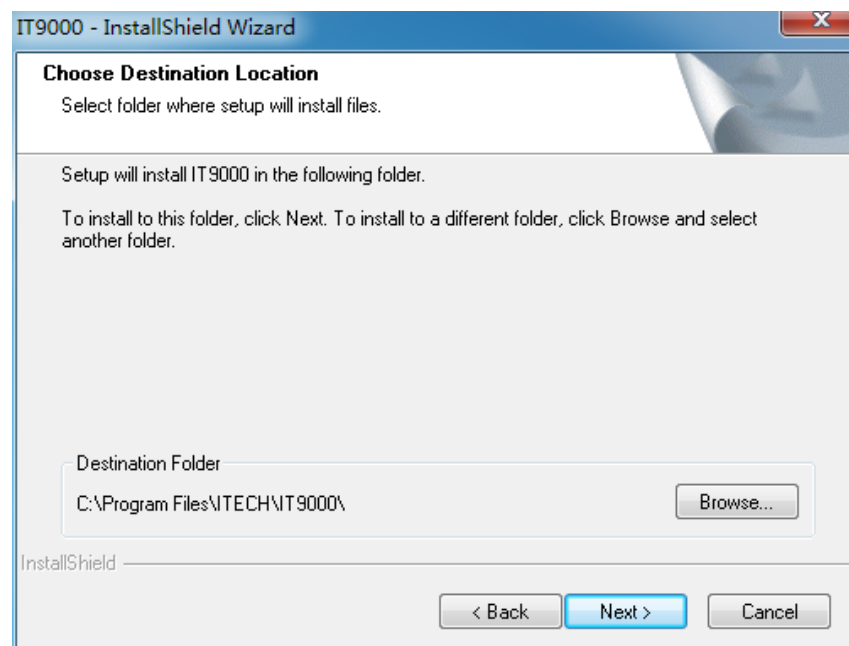
8. After the installation finished, click “Finish”, and the message of “Restart Computer” will pop up.

2.5 Installing IT9000 Software

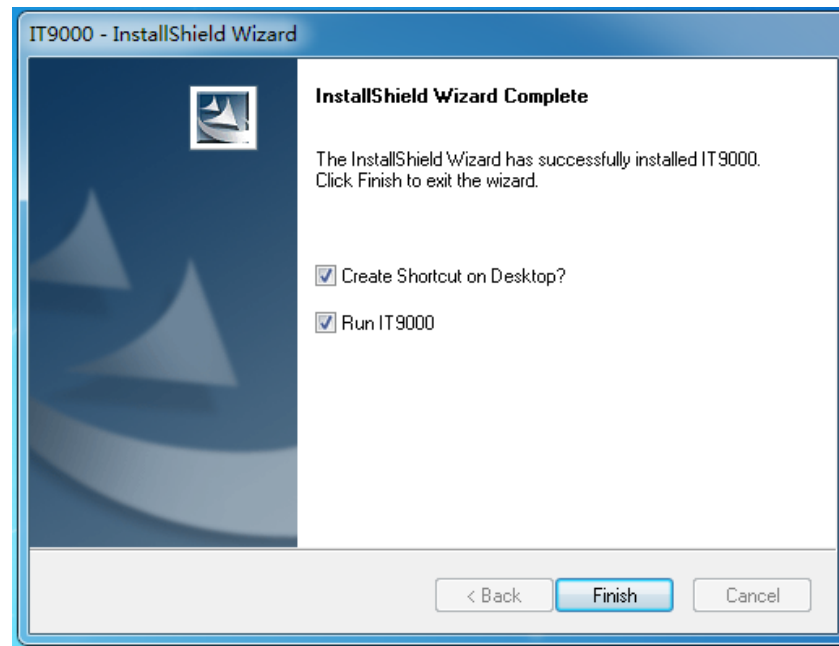
1. Double click and run “setup.exe”.



2. Click “Next”. Confirm the installation information.
3. Click “Next” to deploy software package.



4. After the installation finished, click “Finish”.

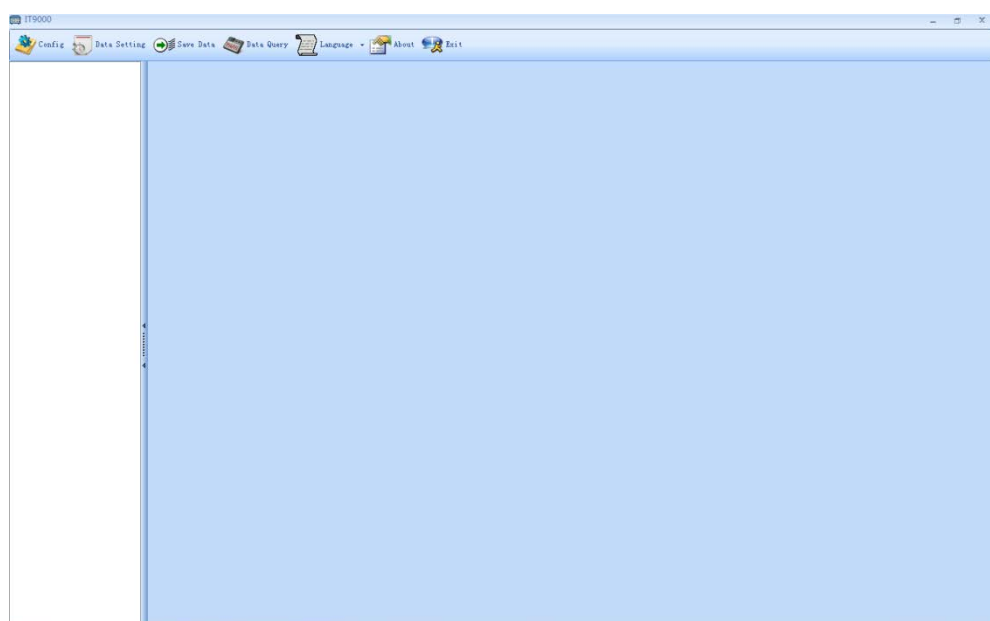


2.6 Verifying the Installation

After the installation finished, click Start\All Programs\Itech\IT9000 and then click on the IT9000 Run Program to start it.

If you've selected the option "Create a Desktop Shortcut" during installation, you may also run the software by directly clicking on the desktop shortcut created.

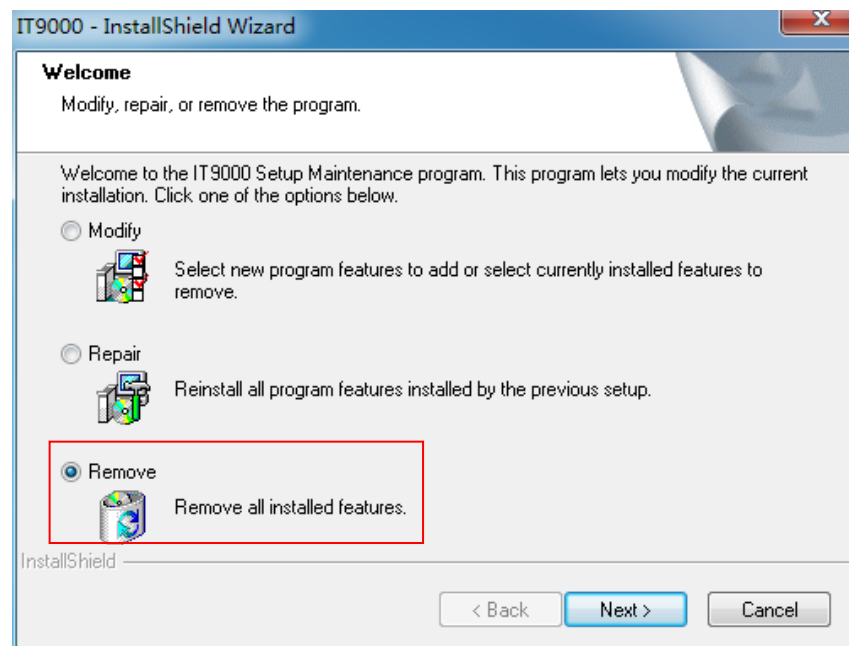
The IT9000 main page is shown as below.



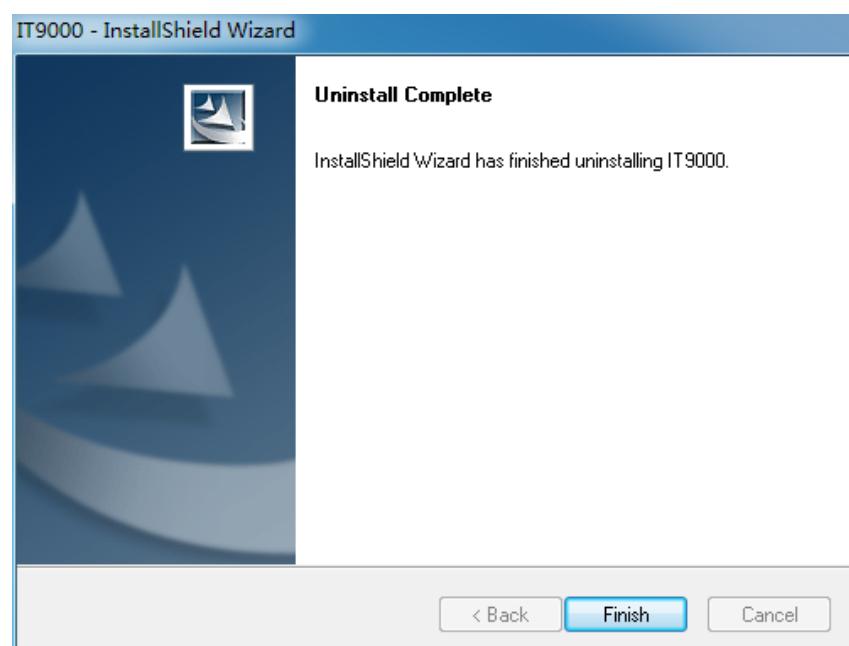
Chapter3Removing Software

Follow the operation methods below to remove IT9000 software.

1. Execute the executable file "setup.exe" of the IT9000 software.
Select "Remove IT9000".



2. Click "Yes" to begin software removal.
3. Click "Finish" to finish software removal.



Contact US

Thank you for purchasing ITECH products. If you have any doubt about this product, please contact us as follows.

1. Visit ITECH website www.itechate.com.
2. Select the most convenient contact for further consultation.