TOSHIBA

TOSHIBA POS Terminal

TEC OPOS Control

PKBST OPOS Setup Guide

FIRST Edition: Mar 29, 2012

TOSHIBA TEC CORPORATION

Revision Record

Rev. No.	Date	Description
V001.000	29 Mar 2012	First Release

Table of Contents

1. Overview....1
1.1 Objectives.... 1
1.2 TEC OPOS Control Components.... 1
1.3 Supported Operating System.... 1
2. Installation....2
2.1 Starting the installer.... 2
2.2 Installation environment selection.... 3
2.3 Installation Path selection.... 4
2.4 Keyboard Type selection.... 4
2.5 Control selection.... 5
2.6 Installation section.... 5
2.7 Finishing Installation.... 6
3. Silent Installation....7
3.1 Silent Install with Default settings.... 7
3.2 Silent Install with change settings.... 8
3.3 Table of error codes.... 11
4. Default configured value for the OPOS Control.... 12
5. Uninstallation.... 12
5.1 Starting the uninstallation.... 12
6. Restrictions.... 13

Caution

- **It is prohibited to copy or transfer a part or whole of this manual without the consent.**
- **The content of this manual is subject to change without notice in the future.**

***Microsoft, Windows, Windows 2000, Windows XP, WEPOS , Windows Vista, Windows 7, POSReady 2009 and POSReady 7 are trade marks of Microsoft Corporation in the U.S. and other countries.**
***The official name of Windows is Microsoft Windows Operating System.**

1. Overview

1.1 Objectives

The objective of this specification is to explain the procedure to install TEC OPOS Control for PKBST.

TEC OPOS Control installs the following controls.

Keylock

PKBSTUB Keylock Control
PKBST Keylock Control

Magnetic Stripe Reader

MCRSTUB MSR Control
MCRST MSR Control

1.2 TEC OPOS Control Components

These 2 components are required for TEC OPOS Control Kits:

- OPOS Control
- Native Driver

The Device Driver is provided to access the unique hardware for TOSHIBA TEC Terminals. Some Controls require the Device Driver to be installed in advance. And the above two components will be installed automatically when the installer is executed.

1.3 Supported Operating System

Operating System	32-bit	64-bit
Windows XP Pro (SP3)	✓	
Windows 7	✓	✓
POS Ready 2009	✓	
POS Ready 7	✓	✓
WEPOS 1.1	✓	

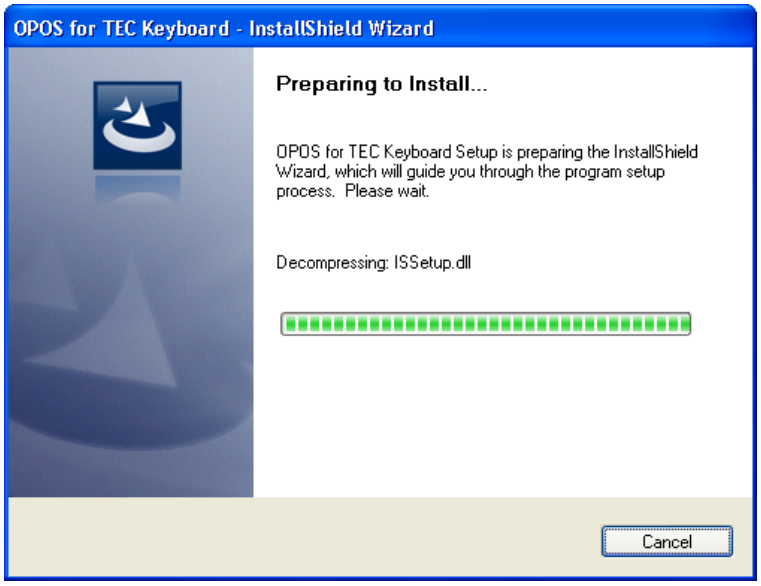
✓ means the OS is supported on the POS models platform

2. Installation

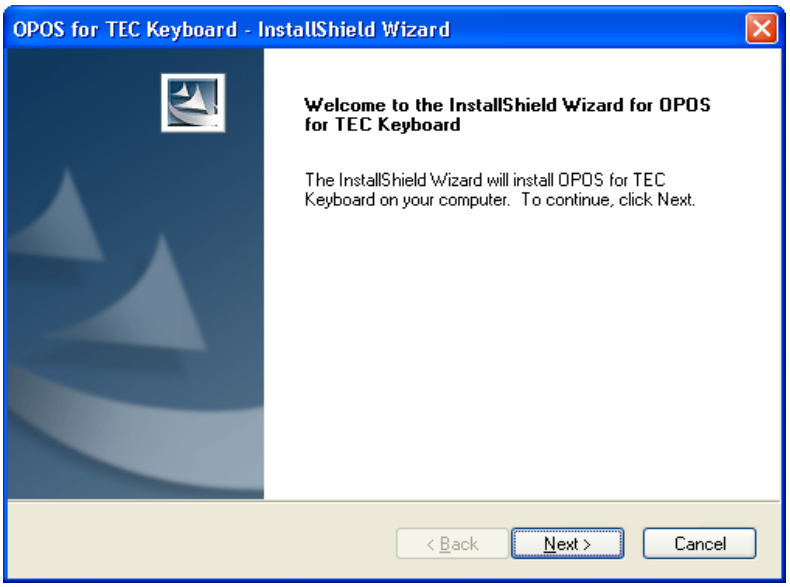
2.1 Starting the installer

Execute “OPOS_PKBST_Installer_X86.exe” file for 32-bit Operating System and ”OPOS_PKBST_Installer_X64.exe” file for 64-bit

1. The description about the installer will be displayed in a few seconds after startup

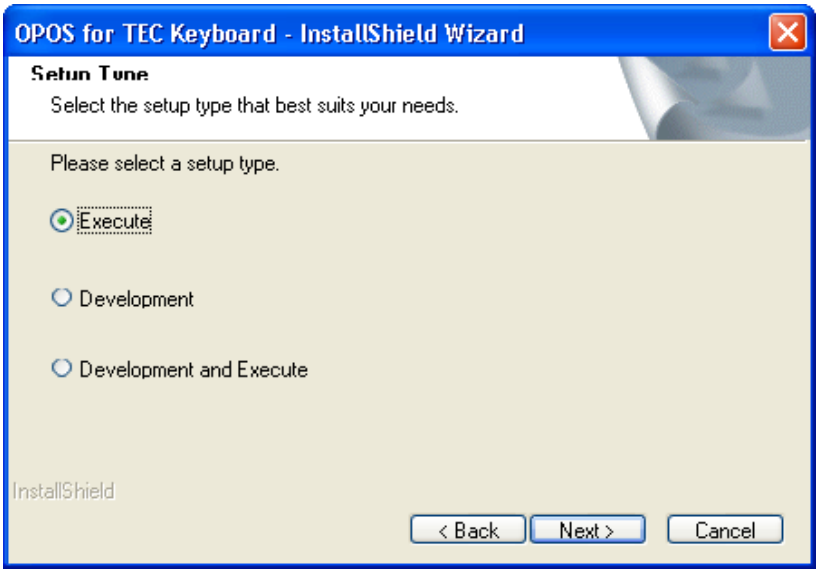


2. Press “Next” button to proceed.



2.2 Installation environment selection

i) Installation will continue to “Setup Type” screen.
ii) Select the setup type and press “Next”.



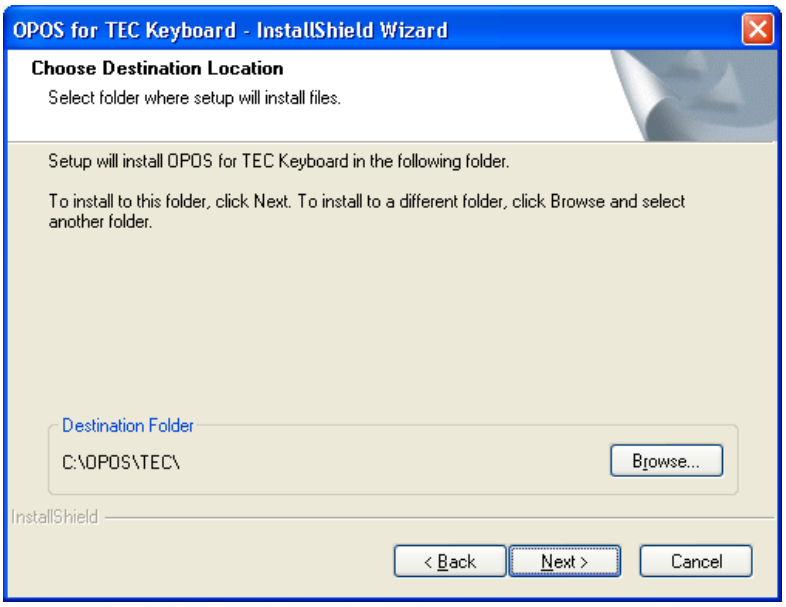
Execute
- Device Control Object
- Service Object
- TEC Control panel
- Test program

Development
- Device Control Object
- Header file
- TEC Control Panel
- Test program

Development and Execute
- Device Control Object
- Service Object
- TEC Control panel
- Test program
- Header file

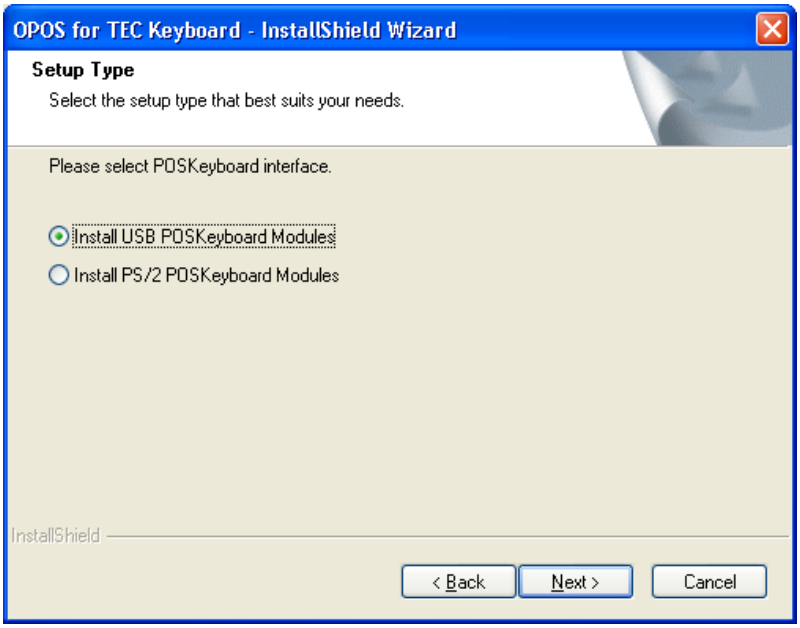
2.3 Installation Path selection

Select the installation location by pressing “Browse” button. Then press ”Next” to continue. By default the installation location is C:\OPOS\TEC.



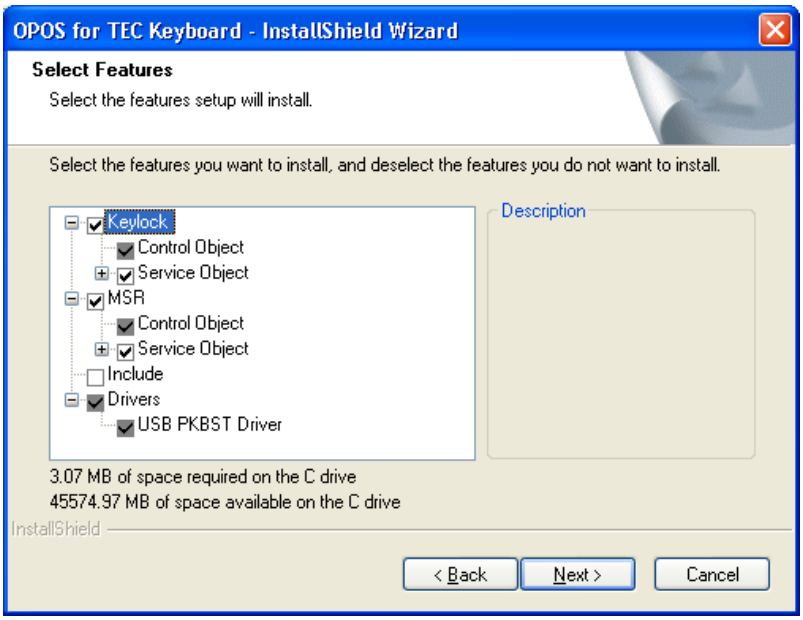
2.4 Keyboard Type selection

Select the keyboard type and press “Next”.

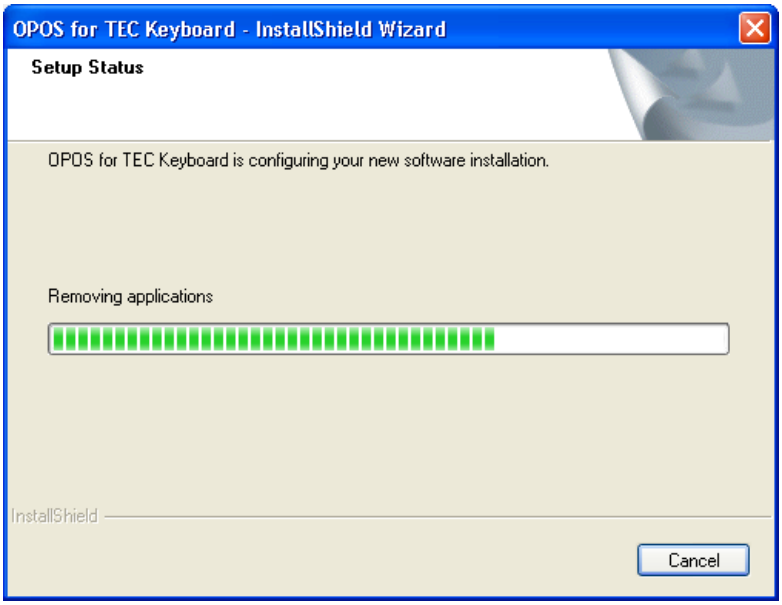


2.5 Control selection

In the following screen, select the OPOS Control to be installed. By default, all control is selected. Press “Next” button to start the installation.

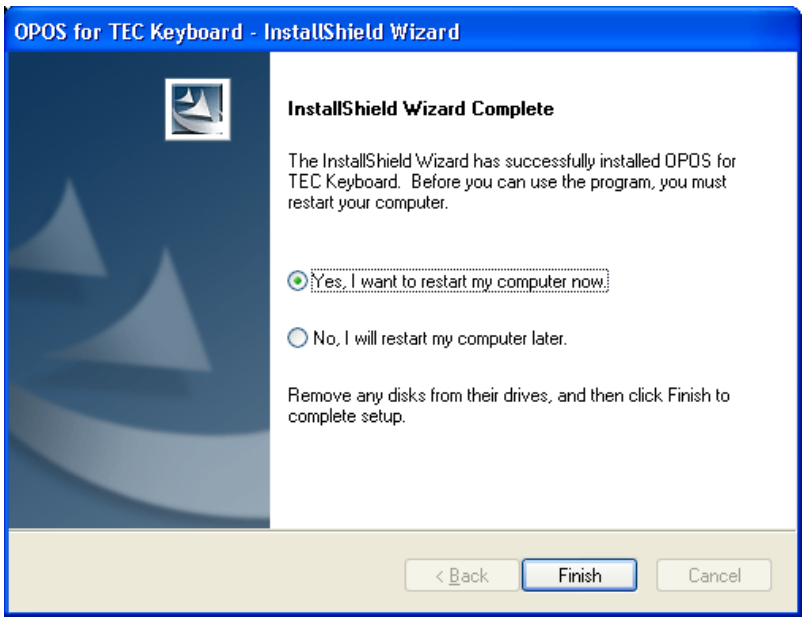


2.6 Installation section



2.7 Finishing Installation

Select the reboot option. Then click “Finish” button to exit installer.



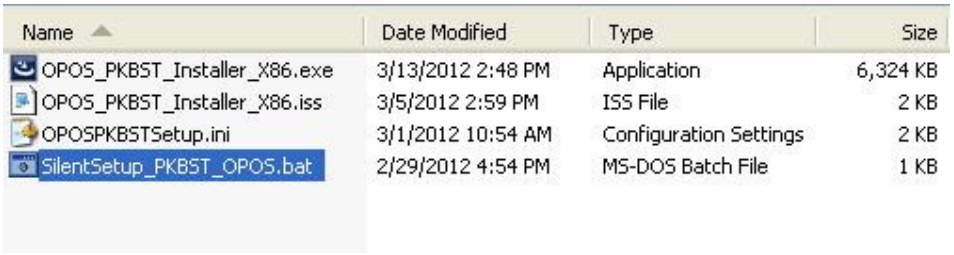
3. Silent Installation

3.1 Silent Install with Default settings

This is the installation using default setting file “OPOSPKBSTSetup.ini” In this case, all of the components will be installed based on USB keyboard type.

3.1.1 Starting the Silent Installation

For 32-bit Operation System (X86 folder)



Run the “SilentSetup_PKBST_OPOS.bat” in the Kit

For 64-bit Operation System (X64 folder)



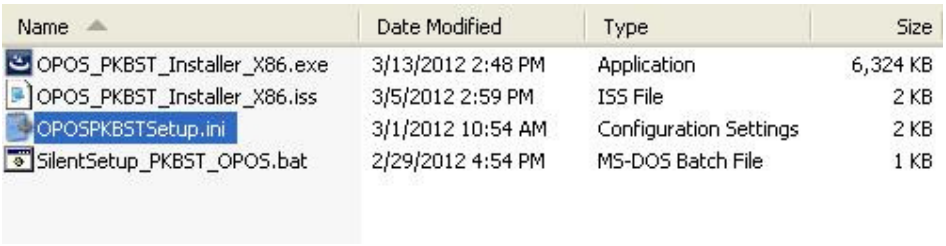
Run the “SilentSetup_PKBST_OPOS.bat” in the Kit

3.2 Silent Install with change settings

This is the installation using customized setting file “OPOSPKBSTSetup.ini”. In this case, you need to edit the setting file.

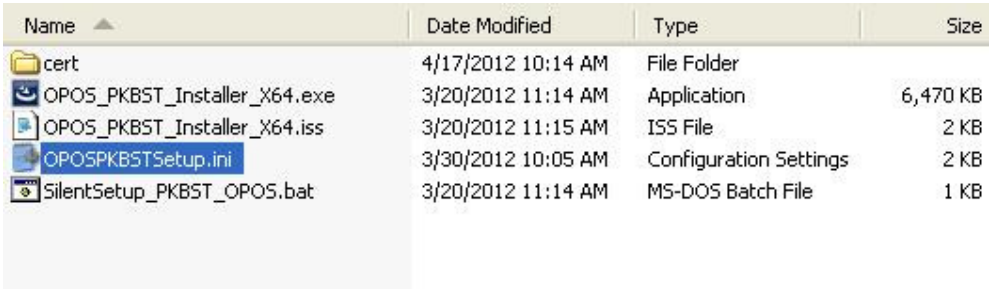
3.2.1 Open the setting file OPOSKBSTSetup.ini with text editor

For 32-bit Operating System (X86 folder)



Name	Date Modified	Type	Size
OPOS_PKBST_Installer_X86.exe	3/13/2012 2:48 PM	Application	6,324 KB
OPOS_PKBST_Installer_X86.iss	3/5/2012 2:59 PM	ISS File	2 KB
OPOSPKBSTSetup.ini	3/1/2012 10:54 AM	Configuration Settings	2 KB
SilentSetup_PKBST_OPOS.bat	2/29/2012 4:54 PM	MS-DOS Batch File	1 KB

For 64-bit Operating System (X64 folder)



Name	Date Modified	Type	Size
cert	4/17/2012 10:14 AM	File Folder	
OPOS_PKBST_Installer_X64.exe	3/20/2012 11:14 AM	Application	6,470 KB
OPOS_PKBST_Installer_X64.iss	3/20/2012 11:15 AM	ISS File	2 KB
OPOSPKBSTSetup.ini	3/30/2012 10:05 AM	Configuration Settings	2 KB
SilentSetup_PKBST_OPOS.bat	3/20/2012 11:14 AM	MS-DOS Batch File	1 KB

3.2.2 Edit OPOSKBSTSetup.ini (Self-explanatory setting file)

```
;*****************************************************
;This is the file for setting silent installation.
;*****************************************************

;-----------------------------------------------------
;Please select Drivers you want to install.
;
;   (Param)      (Mean)
;          301:    Execute
;          302:    Development
;          303:    Development and Execute
;
;-----------------------------------------------------
[SetupType]
Type=303
```

```
;-------------------------------------------------------
;Please select Install Drectory.
;-------------------------------------------------------
[InstallDirectory]
Path=C:\OPOS\TEC\

;-------------------------------------------------------
;Please select keyboard type
;
;  (Param)      (Mean)
;         1:        install depend on USB TEC keyboard
;         0:        install depend on PS2 TEC keyboard
;
;-------------------------------------------------------
[Keyboard Type]
IsUSBType=1

;-------------------------------------------------------
;Please select development you want to install.
;
;  (Param)      (Mean)
;         1:        install the Develop Environment
;         0:        do not install the Develop Environment
;
;-------------------------------------------------------
[Develop Environment]
Keylock=1
MSR=1

;-------------------------------------------------------
;Please select feature you want to install.
;
;  (Param)      (Mean)
;         1:        install the feature ( include related OCX and driver automatically, depend on keyboard
type )
;         0:        do not install the driver
;
; *NOTE - if keyboard type is USB, the feature belong to PS2 will no be installed
; even if is turning ON
;-------------------------------------------------------
[Execute Environment]
PKBST=0
KEYLCKUB=1
ST55MSR=0
USBMSR=1
```

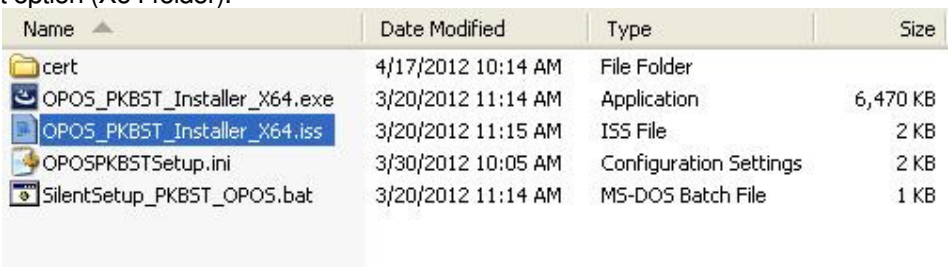
3.2.3 Setting for Reboot Option

For 32-bit Operating System, use text editor to edit the file “OPOS_PKBST_Installer_X86.iss“ and select reboot option (X86 folder).



Name	Date Modified	Type	Size
OPOS_PKBST_Installer_X86.exe	3/13/2012 2:48 PM	Application	6,324 KB
OPOS_PKBST_Installer_X86.iss	3/5/2012 2:59 PM	ISS File	2 KB
OPOSPKBSTSetup.ini	3/1/2012 10:54 AM	Configuration Settings	2 KB
SilentSetup_PKBST_OPOS.bat	2/29/2012 4:54 PM	MS-DOS Batch File	1 KB

For 64-bit Operating System, edit the file “OPOS_PKBST_Installer_X64.iss“ from right click menu and select reboot option (X64 folder).



Name	Date Modified	Type	Size
cert	4/17/2012 10:14 AM	File Folder	
OPOS_PKBST_Installer_X64.exe	3/20/2012 11:14 AM	Application	6,470 KB
OPOS_PKBST_Installer_X64.iss	3/20/2012 11:15 AM	ISS File	2 KB
OPOSPKBSTSetup.ini	3/30/2012 10:05 AM	Configuration Settings	2 KB
SilentSetup_PKBST_OPOS.bat	3/20/2012 11:14 AM	MS-DOS Batch File	1 KB

```
BootOption=3
```

Select reboot option

3: reboot
0: do not reboot

3.3 Table of error codes

After installation, installer creates a log file ("setup.log"). Refer to [ResponseResult] →ResultCode to confirm the result of installation.

```
[ResponseResult]
ResultCode=0
```

This is a table of error codes.

Value	Mean
0	Success
-1	General error
-2	Mode is invalid
-3	Cannot find the necessary data. There are any errors in the response file.
-4	Insufficiency of Memory
-5	Cannot find the response file
-6	Cannot write to the response file
-7	Cannot write to the log file
-8	The path of response file is invalid
-9	Data format is invalid
-10	Data format is invalid
-11	Unknown error occurred
-12	Dialog order is wrong
-51	Cannot create the specific folder
-52	Cannot access the specific file or the specific folder
-53	Selected option is invalid

4. Default configured value for the OPOS Control

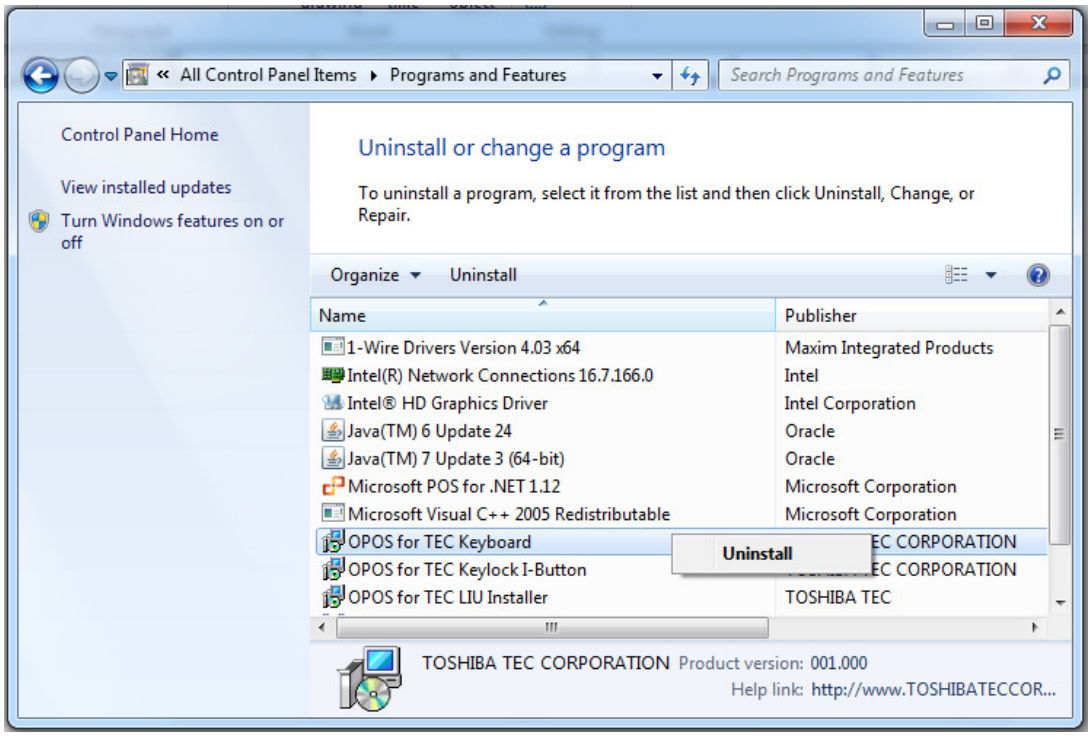
When OPOS Driver and OPOS Control are installed, the default communication port value are:

Device Class	Default Port
PKBSTUB Keylock	USB
PKBST Keylock	PS2
MCRSTUB	USB
MCRST	PS2

5. Uninstallation

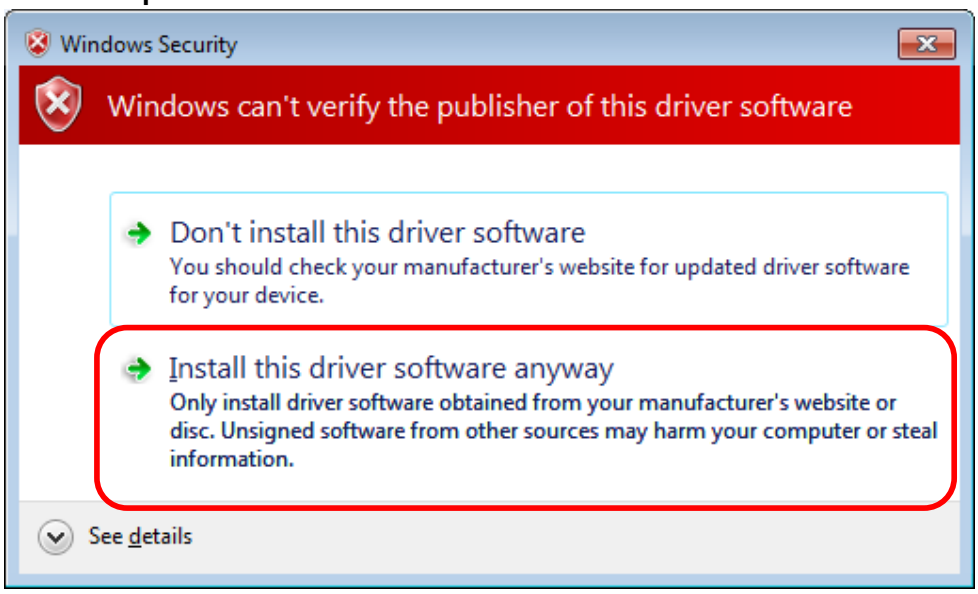
5.1 Starting the uninstallation

1. Open “Control Panel”.
2. Open “Programs and Features” or “Add or Remove Programs” from the control panel respectively in Windows 7 and Windows XP.
3. Select “OPOS for TEC Keyboard”, then select “Uninstall” from the right click menu for Windows 7, while Windows XP, press the “Remove” button.



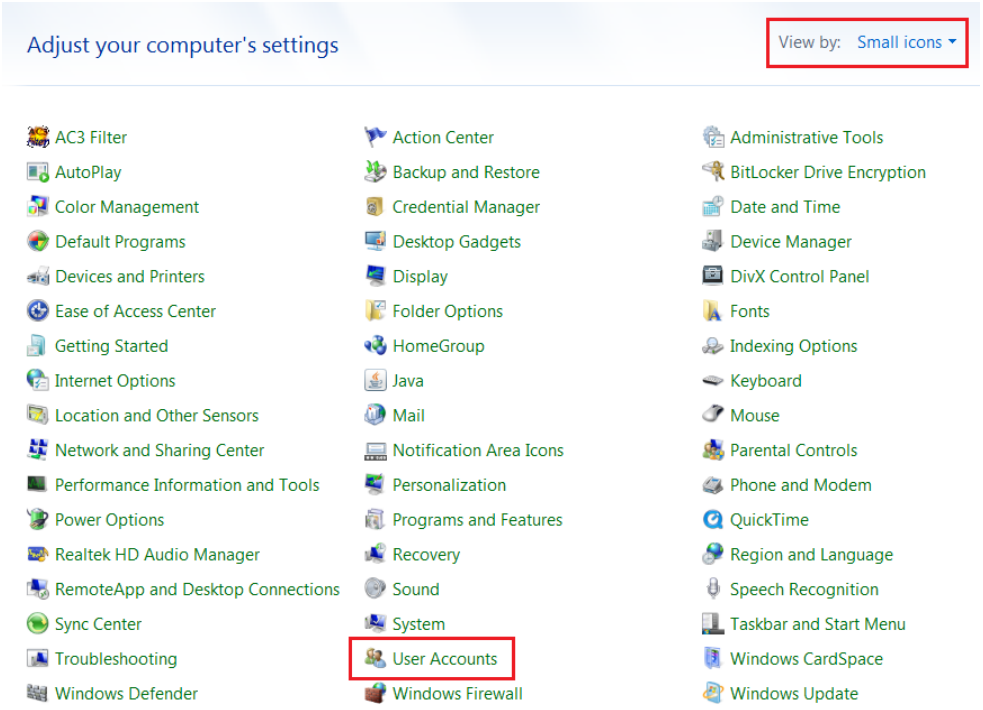
6. Restrictions

NOTE1: On Windows 7 (32-bit) and POSReady7 (32-bit), in order to complete the silent install, user needs to manually accept the Unsigned Driver Installation Dialog Prompt

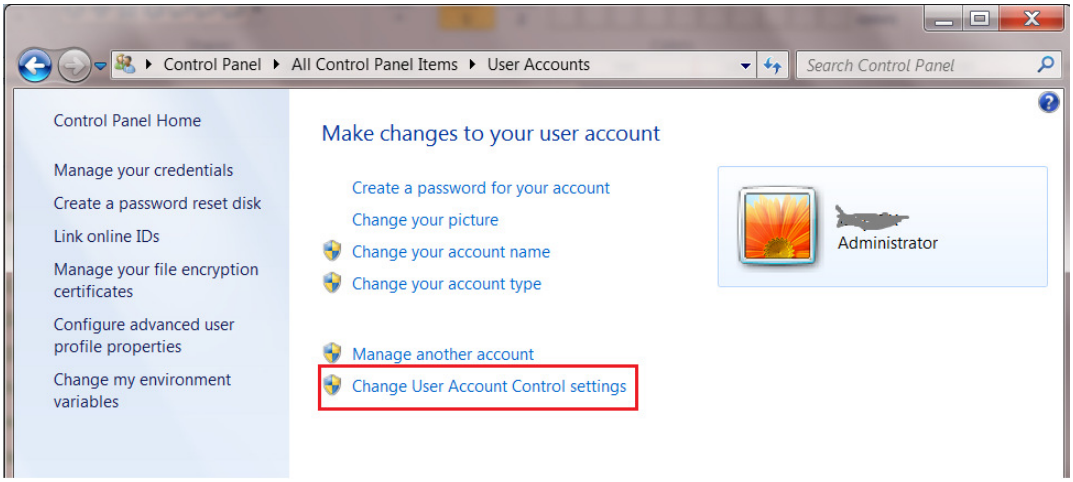


NOTE2: On newer version of windows (windows 7, POSReady 7), it is required to turn off the User Account Control in order to complete the installation.

1. Go to Control Panel, select View by: Small icons to display all features, then click User Accounts.



2. Click Change User Account Control Settings.



3. Move the slider to 'Never notify' position. Click 'OK'. A system reboot is required in order to make the UAC changes taking effect.

