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Introduction

The third generation of PC Cable Tester– **TEST-i**, a specially designed multi-function cable tester that tests and analyzes a comprehensive range of PC connector types and the most commonly used flat cables.

The **TEST-i** not only tests each pins connection to identify opened circuits, shorted circuits, crossed wires, mis-wires and pin to pin connectivity, but can also record up to a 100 test results. The crucial data collected can be saved and uploaded to a PC for analysis via USB. With an integrated LCD Display(w/back light function), users can clearly determine the cable pin wiring easily and efficiently. The TEST-i makes an excellent and essential tool for a system integrator to quickly troubleshoot and perform pin test on PC cables.

Product Description

- 1. Ferric Plate: A.Transmission, B. Receiving
- 2. LCD display with back light function
- 3. Control Switch: UP, DOWN, ON/OFF, SAVE, DELETE, BACK, ENTER
- 4. FRONT SIDE: with data upload
- 5. BACK SIDE
- 6. DC 9V 500mA power jack(adpter not included)





Button definition

Button	Description
ON/OFF (Back Light)	Press ON/OFF button to power on/off the tester and back light
UP/DOWN	Press UP/DOWN button to select the function
SAVE	Press SAVE button to save the test result
DELETE	Press DELETE button to delete the record
BACK	Press BACK button to return to main menu or previous selection
ENTER	Press ENTER button to run the selected function

Features

- Identify opened wires, shorted wires, crossedwires and mis-wires connectivity
- Support 18 flat types of PC connectors
- 100 Test results can be saved and transferred to PC via USB
- Alphanumeric LCD display with back
 light function
- With cable test, cable browsing, quick test function
- Low battery indicator

Specification

- Product: TEST-i Multi-Function PC Cable Tester
- Model: 258898
- Hardware
 - -Connectors: IDC40, IDC34, DVI29, HDB15M/F, DB9M/F, COAX, BNC, RJ11, RJ45, 1394-6P, 1394-4P, SATA, USB(A/B), HDMI, RCA
 - -Control Switch: ON/OFF(POWER), UP, DOWN, SAVE, DELETE, BACK(CANCEL), ENTER
 - -Display: LCD size: 2rows, 16characters, w/back light
 - -Power: DC 9V Battery compartment, DC 9V 500mA power jack(adapter not included)
- Emission: CE, RoHS compliant

Instructions for Operation Getting Started

1. Push the **ON/OFF** button to power "on" the tester, a beep sound will indicate the tester is working. The LCD display the following message:



2. In operating mode, you can press ON/OFF button to switch the LCD's back light to "on"/"off". By holding the ON/OFF button, the LCD will display the following message:

Tester Power Off

The tester will power "off" when you release the button.

3. In operating mode, you can hold the **DOWN** button 5 sec. to activate the "**Alarm**" function after the display shows "**Alarm OFF(or ON)**", press **ENTER** to turn on/off the alarm and press **DOWN** button back to previous menu.

Alarm OFF

4. In operating status, press UP or DOWN button to select the desired mode: "Test Cable" for cable testing, "Browse" to review the saved data, or "Fast Test" to quickly test cable, then press ENTER for the desired selection.

Test Cable

Browse $\leftarrow \rightarrow$

Fast Test ←

Test Cable

1. Use **UP** or **DOWN** button to select the pin number for the cable you want to test, then press **ENTER** to start the testing.

Press Enter To Select Pin Num.

2. When testing is done, LCD will display the pin to pin connectivity displaying results as follow:

A01-B03 A02-B06 A03-B01 A04-B07 → 3. If no cable connected on the tester, it will give off two "beep" sounds and display the message "**Empty**".

Empty

You can select **UP** and **DOWN** to check each pin to pin test result, or press **ENTER** to select pin number, or press **BACK** to return to main menu.

Fast Test

TEST-i also provides quick test function to test a large number of cables in a short time.

1. Select **Fast Test** in main menu then press **ENTER.**

Fast Test ← ←

2. Select **Define Standard** to create the standard pin to pin connectivity as the model, the standard will be compared to the other cable and determine whether the cable is good or bad. The standard rule is saved automatically.

Test Cable ←

Define Standard

A01-B01 A02-B02 A03-B03 A04-B04 → 3. If the standard is defined, select **Test Cable** to check cable's status. If the cable's pin to pin connectivity matches the standard, TEST-i will show **OK** and display the detailed pin to pin connectivity. If not, TEST-i will show **Error** and also display the cable's detailed information.

OK

A01-B01 A02-B02 A03-B03 A04-B04

Error

A01-B01 A02-B06 A03-B01 A04-B07

Save, Delete, Browse and Upload the Record

1. Press SAVE button to save the last test result (saving sequence is from 1 to 100).

Saved INO.003 UK

2.By pressing **DELETE** button, the tester will display two options in the menu: "**Delete All**" or "**Delete One**" Press **UP** or **DOWN** button for desired selection.



3. If deleting a specific record, select "**Delete One**" and press **UP** or **DOWN** button to choose the record you want to delete, then press **ENTER** to delete the record(Note: by pressing **ENTER** again, it will delete the next record saved). Press **BACK** to return to the main menu.

Record No. 001

Delete 001 OK

4. To review saved record, select **Browse** function in main menu. Press **UP** or **DOWN** button to select the desired record and press **ENTER** to display data.

Browse \rightarrow 002 Record \rightarrow

5. To connect TEST-i to a computer(via USB) to upload the data, driver and software(included) must be installed on the computer. Please refer to next section for more detail process.

Driver Installation A) Before Installation:

 Uninstall any previous TEST-I driver first prior to installation from control panel → Add or Remove program(refer to D) to uninstall driver).

副新增或相	多餘程式			- 8 🛛
	目前安裝的程式。	🔲 顯示更新	(D) 排序方式(S): 🗾	<u>v</u>
第2555 科除 程式(出)	按這裡取得支援資訊。		已使用 上次使用在	<u>很少</u> [△] 2010/9/3
1	要從您的電腦移除這個程式,請按[移除]。			移除
新増	Microsoft Silverlight		大小	15.03MB
TEPVUL	Chinese Traditional Fonts Support For Adobe Reader 9		大小	14.09MB
6	Windows Media Format 11 runtime		大小	7.90MB
新增/移除	 Windows Media Player 11 		大小	7.90MB
元件(3)	💕 Microsoft Office Outlook Connector		大小	5.38MB
<u>_</u>	Witcough Visual Case 2005 Redistributable		大小	5.25MB
at-drBa-dr	📁 TEST-i		大小	4.57MB
释嵌复辑	🐝 Conduit Engine		大小	3.94MB
設備(Q)	Hobbes TEST-i Device (Driver Removal)		大小	3.53MB
	■ WinRAR 壓縮工具		大小	3.41MB
	B MSXML 4.0 SP2 (KB936181)		大小	2.61MB
	🐝 Softonic-Eng7 Toolbar		大小	2.45MB
	➡ Windows Live 登入小報手		大小	1.92MB
	MSXML 6 Service Pack 2 (KB954459)		大小	1.34MB
	S Microsoft Office Live Add-in 1.3		大小	0.48MB
	🐸 Windows Live 上載工具		大小	0.22MB
	Adobe Flash Player 10 ActiveX			
	CP2101 USB to UART Bridge Controller			
	B Microsoft Compression Client Pack 1.0 for Windows XP			
	10 Microsoft User-Mode Driver Framework Feature Pack 1.0			
會學	19 PCI Audio Driver Windows VD Comice Pack 3			~
	BA AUDOMO VL SELAICE LACK 2			<u></u>

- 2. **But** If an older version, v. 1.0-1.1, has been installed, the user is not able to uninstall driver automatically. Please uninstall manually as follows steps in advance. (normally happens to Windows XP)
- 3. Please connect TEST-i device → goes to Device manger → Universal Serial bus controller → move to CP2101 USB Composite Device (either CP210x USB Composite Device or CP210x USB to UART Bridge Controller)

File Action View Help Image: Constraint of the state of the stat
 A1700N-PC Computer Disk drives Display adapters DVD/CD-ROM drives IDE ATA/ATAPI controllers IEEE 1394 Bus host controllers Keyboards Mice and other pointing devices Modems Modems Monitors Network adapters Portable Devices Processors Sound, video and game controllers Storage controllers System devices Universal Serial Bus controllers CP2101 USB Composite Device Standard USB Root USB Root USB Root Scan for hardware changes
Properties
Launches the Update Driver S

- 4. Right-click the mouse \rightarrow Update Driver Software \rightarrow select the destination folder manually.
- Install from a list or specific location to TEST-i_ Driver\WinXP_2003_Vista_7 → Follow the on screen instructions.



TEST-i driver\Hobbes TEST-i\TEST-i_Driver



6. When an unsigned driver installation warning is displayed, ignore and presses continue anyway → completing the Found New Hardware Wizard.



B) Driver Installation

- Insert CD into the CD-ROM drive. Setup will start automatically. If it does not start after several seconds → double-click My Computer on your desktop(or click the Start button, and click My Computer) → right-click your CD drive, and then click AutoPlay. If driver has been downloaded from the website, decompress the file into same folder and manual then Click the setup.exe.
- 2. Follow the on screen instructions. Select your Operating system.



🛃 TEST-i			
Driver Install			
Select the Setup Environment			
Windows XP/2003/Vista/7			
O Windows 2000			
O Don't Install			
	Cancel	< <u>B</u> ack	<u>N</u> ext >

3. Select the destination folder: To install into the default folder, click "Next". You can change the installation folder by inputting or selecting the browse button to choose a different folder.

B TEST-i	
Select Installation Folder	
The installer will install TEST-i to the following folder.	
To install in this folder, click "Next". To install to a different folder,	enter it below or click "Browse".
<u>F</u> older: C:\Program Files\Hobbes\TEST-i\	B <u>r</u> owse Disk Cost
Install TEST-i for yourself, or for anyone who uses this compute	n:
⊂ <u>E</u> veryone	
● Just me	
Cancel	< <u>B</u> ack <u>Next</u> >

4. To start Installation of the TEST-i device driver \rightarrow Click "Install"

😸 TEST-i	
Installing TEST-i	
TEST-i is being installed.	
Please wait	
Hobbes TEST-i Device Driver Installer	
Hobbes Hobbes TEST-i Device	
Installation Location:	Driver Version 2.0
C:\Program Files\Hobbes\TEST-i_Driver\	
Change Install Location	Install Cancel
Cancel	< <u>B</u> ack <u>N</u> ext >

5. Device driver is installing(allow the installer to process).

劃 TEST-i		
Installing TEST-i		
TEST-i is being installed.		
Please wait		
	Cancel < Bac	sk <u>N</u> ext>

6. If an older version of the driver is detected, the program will ask you to remove the old driver before installing the new one → Click Yes(Y) to uninstall the old driver.

1		Please wait while syste	m is scanned			An a stand
		Change Install Lo	cation	Install	Cancel	
Notice						- 22 -
2	The following conflicting drivers have been found, and must be removed before the installation can continue CP210x USB Composite Device CP210x USB to UART Bridge Controller Do you want to remove these now?					
			是(Y_))	

7. When an unsigned driver installation warning is displayed, ignore and press Continue(C)

Hardware Installation



The software you are installing for this hardware:

Hobbes TEST-i

has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why this testing is important.</u>)

Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.

Continue Anyway

STOP Installation

 After the new driver has been installed, the program will ask you to reboot the system in order to complete the whole installation process. Press Yes(Y) to continue.

System	Settings Change	
?	You must restart your computer before the new settings of Do you want to restart your computer now?	will take effect.



9. If this is the first time you had installed the device driver, the screen above may appear without having to reboot your computer. Please Click "Close" to exit. After the driver has been successfully installed, a TEST-i icon will display on the Desktop as

TESTH

10. If this is not the first time you had installed the device driver, please goes to A) Before Installation steps.

C) Hardware Connects

Environment: Windows 2000, Windows XP, Windows 7, Vista

- 1. Connecting TEST-i via USB cable(included in the package: TEST-i, CD disk and USB cable)
- 2. Connect the USB Cable on the unit and your computers USB Port. The system will automatically detect and search the driver. Select "Installed software automatically" then Click "Next"



3. When an unsigned driver installation warning is displayed, ignore and press Continue(C)

Hobbes TEST-i	re Installation
	The software you are installing for this hardware: Hobbes TEST-i has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway STOP Installation

1

4. After the installation process has been completed. Click "Finish" to close the window.

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard The wizard has finished installing the software for: Hobbes TEST-i
	Click Finish to close the wizard.
	K Back Finish Cancel

5. Connect TEST-i into computer via USB cable and Click TEST-i icon on the Desktop.



6. TEST-i table will pop up. Toolbar includes Open, Save, Print, Upload, About and Exit. TEST results includes ID, Pin and Pin State.

1	[Open				
I	Pin State		Pin State	Pin	D
Test					
Resu					

- 7. Toolbar:
- 1) Open: Open the file that has been saved.
- 2) Save: Saving test result.
- 3) Print: Print test result.
- 4) Upload: Upload the data that has been saved on TEST-i.
- 5) About: Indicate current version of Hobbes TEST-i installed.
- 6) Exit: Exit TEST-i.

Pin	Pin State	Pin State	900
	About TEST-i	X	
	Hobbes TEST+ Version 2 Copyright (C) 2011	0 <u>DK</u>	

8. TEST result: Includes ID number, Pin number of testing cable, pin to pin status.

ID	Pin	Pin State
001	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30
002	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30
003	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30
004	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30
005	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30
006	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30
007	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30
008	(40pin)	A01 A02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30

Found Problems:

(X)(Y): shows the number of the referring pin

A(X)—: The cable is broken(no connection); Broken circuit

A(X)-B(X): Correct connection(Cable is good)

A(X)-A(Y)-B(X) - B(Y): Crossed, shorted.(The connection is shorted; Cable defective)

A(X)-B(Y): Mis-wired.(The connection is miswired; Cable defective) Uploading the data → Press the "Upload Data" button.

Upload Data	X
Hobbes TEST-i Port:4	Refresh Dev
	Upload Data
	Cancel

- Refresh Dev: Click "Refresh Dev" to refresh the device once windows can't detect it successfully (make sure device is connected properly and all connections are secure).
- 2) Upload Data: Click "Upload Data" to upload test result to PC.
 - 3) Cancel: Click "Cancel" to exit Upload Data window.

10. Clicking "Upload data" \rightarrow receive success \rightarrow Ok.

					0	ben
ID	Pin	Pin Sta	e Pin State			
001	(40pin)	A01 A	02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30 -B40 A03-B03 A04	-B04 A05-B	05 A06-B0	16 A
002	(40pin)	A01 A	02-A19-A22-A24-A26-A30-A34-A40-B02-B19-B22-B24-B26-B30 - B40_A03-B03_A04	B04 A05-B	05 A06-B0	16 A
003	(40pin)	A01 A	Upload Data	B04 A05-B	05 A06-B0	16 A
004	(40pin)	A01 A		B04 A05-B	05 A06-B0	16 A
005	(40pin)	A01 A		B04 A05-B	05 A06-B0	16 A
006	(40pin)	A01 A	TEST-i Refresh Dev	B04 A05-B	05 A06-B0	16 A
007	(40pin)	A01 A	Hobbes TE	B04 A05-B	05 A06-B0	16 A
908	(40pin)	A01 A	Receive success!	B04 A05-B	05 A06-B0	16 A
			Upload Data			
			Cancel			

11. The test results will display completely.

			Uper
ID	Pin	Pin State	Pin State
001	(08pin)	A01-B01 A02-A03-B02-B03 A04-B04 A05-B05 A06-B06 A07-B07	A08-B08 AGD-BGD
002	(08pin)	A01-B01 A02-A03-B02-B03 A04-B04 A05-B05 A06-B06 A07-B07	A08-B08 AGD-BGD

D) To Uninstall Driver:

1. Go to control panel \rightarrow Add or Remove Programs.



2. Remove TEST-i.

🔂 添加或删除	程序			×
5	当前安装的程序:	排序方式(S): 名称		→
更改或	SoundMAX	大小	1.75MB	-
程序(日)	📂 TEST-i	大小	<u>4.57MB</u>	
1	<u>单击此处获得支持信息。</u>	已使用	经常	
		上次使用日期	2011-2-3	
添加新 程序(<u>N</u>)	要更改此程序或将它从计算机删除,单击"更改"或"删除"。	更改	なし、删除し	
	🚚 ThinkPad Modem	大小	.95MB	
	💈 ThinkPad Power Management Driver			
添加/删除 Windows	O ThinkVantage Active Protection System	大小	8.77MB	
组件(<u>A</u>)	🎍 ThinkVantage 指纹软件	大小	68.54MB	

3. Uninstall the TEST-i driver.

🔂 添加或删除	程序			XX
	当前安装的程序: 📃 显示更新(D)	排序方式(<u>S</u>): 名称		•
更改或	SoundMAX	大小	1.75MB	-
程序(日)	🗭 TEST-i	大小	<u>4.57MB</u>	
	<u>单击此处获得支持信息。</u>	已使用	<u>经常</u>	
<u></u>		上次使用日期	2011-2-3	
添加新 程序(<u>N</u>)	要更改此程序或将它从计算机删除,单击"更改"或"删除"。	更可	2 删除	
6	Nobbes TEST-i Device Driver Uninstaller	× 大小	.95MB	
添加/删除 Windows	Hobbes Hobbes TEST i Device	大小	8.77MB	
组件(<u>A</u>)		大小	68.54MB	
	Installation Location: Driver Version 2.0) 大小	1.17MB	
い安理皮	U:\Program Files\Hobbes\TESTDriver\	大小	1.92MB	
3.定程序 访问和 默认值(0)	Uninstall Cancel	大小	1.93MB	
in the training of the trainin		大小	41.87MB	

4. Restart the computer after uninstall process→ uninstalled completely.

System	Settings Change	
?	You must restart your computer before the new settings Do you want to restart your computer now? Yes No	will take effect

Remarks:

- If the driver was damaged or not installed correctly, please set up TEST-i driver again.
- Also, the driver can be downloaded from Hobbes Webiste(www.hobbes-group.com), goes to service/download.

Warning:

- 1. Please don't connect the tested cable to the same side of the test interface.
- 2. The tester did not test the ground unless the extension test is applied to PC interface test unit together. In this application, the pin 40 means ground.
- 3. If you are going to use the tester in the same place for a long time, the optional power adapter instead of the battery is recommended.



Power: DC 9V 500mA

- 4. Do not attempt to open or disassemble the unit by yourself. You run the risk of voiding the limited warranty. If the product appears to be damaged or does not function properly, please send it to original dealer to obtain warranty service.
- 5. When you test an ultra ATA flat cable(40pins/80 conductors), please be aware of the connector color because you might get the different result.

Warranty:

The device is guaranteed for one years from the date of original sale. The manufacturer will repair the device free of charge if manufacturer determines the product failed due to manufacture defect. This warranty is only valid if the device is used for its intended purposes only. Manufacturers warranty is voided if the product has been tampered and damaged from misused.

