

Verifiering av MIFARE slinga på SITHS-kort

Detta dokument beskriver hur Omnikey Card Man5321 USB drivrutin samt diagnostikprogram installeras på en dator med Windows 7. Efter installationen kan kortläsaren och programvaran användas för att kontrollera att MIFARE kretsen på smartcard svarar på anrop.

Kontrollera att datorn känner av kortläsaren

Anslut kortläsaren med hjälp av USB-kontakten. Följande skall då hända. Observera nedanstående enbart syns om man maximerar installationsfönstret:

1 Installation av drivrutiner		×
Installerar enhetsdrivrutine	r	
Smart Card Reader USB	O Drivrutiner installeras	
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Installation av drivrutiner Microsoft Usbccid Smartca Microsoft Usbccid Smartcard Read	rd Reader (WUDF) installerad er (WUDF) 🗸 Klar att användas	×

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Nedladdning av drivrutin och programvara för kortläsaren

Öppna följande länk

http://www.hidglobal.com/driverDownloads.php?techCat=19

Nedladdning av drivrutin

Välj rätt produkt och operativsystem med hjälp av drop down menyerna

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HID	Trusted ure Identi	Source for Supp ty Solutions Solutions Indust	oort Order Status Contact Us Search tries ▼ Services ▼ Partners ▼ Developers ▼ Supp	port ▼
Down	oads	- OMNIKEY		
To download the lates 1. Select the Brar 2. Then select ap 3. Then select yo 4. Click on the file OMNIKEY® Products OMNIKEY 5321 USB Operating System Windows 7	t software nd oroduct ur operati a to begin	e, drivers and firmware: ng system downloading	Quicklinks > OMNIKEY Readers > OMNIKEY How To Order Guide > OMNIKEY Customer Support > OMNIKEY RAR Request > OMNIKEY Driver Downloads > OMNIKEY Information Request > Learn more about Logical Access Solutions	
Windows 7				
Title	Size	File	Description	
OMNIKEY Synchronous API for Windows	3232576	CardMan_Synchronous_API_V1_1_1_4.exe	OMNIKEY synchronous API (V1.1.1.4 - Release: 10/10/07 - 3927kB)	
OMNIKEY 5x2x Driver Self-Extractor (for manual installation)	224704	OMNIKEY5x2x_V1_2_4_1.exe	PC/SC Driver for OMNIKEY 5121, 5321, 5125, 5325, 6321 (V1.2.4.1- Release: 2011/05/03 - 220 kB - Windows 2000 / XP / 2X3 Server / Vista / 2k8 Server / Windows 7 - digitally signed for Win 2000, NP, Vista, Windows 7, 2k3 Server / 2k8 Server /	
CT-API for Windows	2778992	CT-API_V4_0_2_2A.exe	CT-API (V4.0.2.2A - Release: 04/01/09 - 2714kB)	
OMNIKEY 5x2x Unattended Setup Installer	2829312	OMNIKEY5x2x_x86_R1_2_4_1.exe	2000/XP/Vista/2k3 Server/2k8 Server/ Windows 7 Setup for OMNIKEY 5x21 and 5x25 V3.0.4.0 (driver version 1.2.4.1 - digitally signed) 2763 kB	
OMNIKEY Diagnostic Tool	7422144	OKDiagnosticTool_x86_V2_4_0_5.exe	Please be aware that this new diagnostic tool is a stand alone programm which can be started from Start Menu Programms menu. Additionally, on Windows Vista and Windows 7 administrative privileges are needed to execute the application.	
OMNIKEY 5x2x MSI Unattended Setup Files	4073925	OMNIKEY_5x2x_Unattended_x86_for_R1_2_4_1.zip	Unattended Setup R3.0.4.0 for 5121, 5321, 5125, 5325, 6321 (V1.2.4.1 - 3979kB - Windows 2000 / XP / 2k3 Server / Vista / 2k8 Server / Windows 7 - digitally signed for Win 2000, XP, Vista, Server 2003, Server 2008, Windows 7)	
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				Take Take Take I

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Klicka på senaste version av drivrutinen som passar ditt operativsystem (i detta fallet OMNIKEY5x2x_V1_2_4_1.exe)

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Windows			10/10/07 332/80 /		
OMNIKEY 5x2x Driver Self-Extractor (for manual installation)	224704 OMNIKEY5x2	x_V1_2_4_1.exe	PC/SC Driver for OM 6321 (V1.2.4.1 - Rel Windows 2000 / XP / Windows 7 - digitally Windows 7, 2k3 Serv	NIKEY 5121, 5321, 5125, 5325, lease: 2011/05/03 - 220 kB - / 2k3 Server / Vista / 2k8 Server / / signed for Win 2000, XP, Vista, ver, 2k8 Server)	
CT-API for Windows	2778992 CT-API_V4_0	_2_2A.exe	CT-API (V4.0.2.2A -	Release: 04/01/09 - 2714kB)	
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The Trusted Source for Secure Identity Solutions Support Order Status Contact Us Search Solutions ▼ Industries ▼ Services ▼ Partners ▼ Developers ▼ Support ▼	
Downloads - OMNIKEY	
 shall be, to that extent, deemed omitted and the remaining provisions will continue in full force and effect. (b) Governing Law. The validity and performance of this Agreement shall be governed by California law (without reference to choice of law principles), and applicable federal law. The United Nations Convention on Contracts for the International Sales of Goods shall not apply. (c) Disputes. In the event of any legal action or proceeding relating to this Agreement, the prevailing party shall be entitled to recover its attorneys' fees in addition to any other relief granted. HID agrees and You agree to waive, to the maximum extent permitted by applicable law, any right to a jury trial with respect to the Software or this agreement. Because this waiver may not be effective in all jurisdictions, this waiver may not apply to You. (d) Assignment. This agreement is binding on successors and assigns. 	
(e) Waiver. No term or provision hereof shall be deemed waived and no breach consented to or excused, unless such waiver, consent or excuse shall be in writing and signed by the Party claimed to have waived or consented (f) Entire Agreement; Modification. This Agreement sets forth the entire understanding and agreement between You and HID and may be amended only in a writing signed by both parties. I Accept Terms Decline Windows	

Klicka på pilen till höger om spara och välj spara som

	OMNIKEY 5x2x MSI Unattended Setup Files	4073925	MNIKEY_5x2x_Unattended_x86_for_R1_2_4_1.zip Server / Vista / 2k8 Server / Windows 7 - digitally gined for Win 2000, XP / 2k3 2008, Windows 7)	
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© 2011	Vill du köra eller spara Ol	MNIKEY5×	x_x86_R1_2_4_1.exe (2,69 MB) från www.hidglobal.com? Kör Spara • Avbryt ×	-

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Ange var du vill spara filen och klicka på spara

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Eventuellt så får du ett varningsmeddelande orsakad av att du laddar ner ett körbart program, välj i så fall att visa fler alternativ

SmartScr	een-filter - Windows Internet Explorer			
8	Det här programmet kan skada datorn SmartScreen-filtret har lite eller ingen information om det här osignerade programmet. Programmet kan vara skadligt för datorn om du kör det. Namn: OMNIKEY5x2x_V1_2_4_1.exe Utgivare: okänd			
	📀 Kör inte det här programmet			
	Ta bort programmet			
Ser alternativ				
<u>Vad är</u>	SmartScreen-filtret?			

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Välj kör ändå



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	Accept Decline	

Programvaran laddas nu ner.

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Windows 7						
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OMNIKEY Synchronous API for Windows	3232576	CardMan_Synchronous_API_V1_1_1_4.ex	OMNIKE 10/10/0	Y synchronous API (V1.1. 7 - 3927kB)	1.4 - Release:	
OMNIKEY 5x2x Driver Self-Extractor (for manual installation)	224704	OMNIKEY5x2x_V1_2_4_1.exe	PC/SC D 6321 (V: Windows Windows Windows	river for OMNIKEY 5121, 1.2.4.1 - Release: 2011/(s 2000 / XP / 2k3 Server s 7 - digitally signed for V s 7, 2k3 Server, 2k8 Serv	5321, 5125, 5325,)5/03 - 220 kB - / Vista / 2k8 Server Vin 2000, XP, Vista, ver)	./
CT-API for Windows	2778992	CT-API_V4_0_2_2A.exe	CT-API (V4.0.2.2A - Release: 04/	01/09 - 2714kB)	
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Klicka på pilen till höger om spara och välj spara som



Ange var du vill spara filen och klicka på spara

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Hämtningen är nu slutförd

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Installation av drivrutin

Leta upp filen som innehåller drivrutinen och dubbelklicka på den

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🔒 Hämtade filer	OKDiagnosticTool_x86_V2_4_0_5	2011-06-15 09:29	Program	
Nrivbord	OMNIKEY5x2x_x86_R1_2_4_1	2011-06-15 09:55	Program	
🔄 Tidigare platser				
Rider				
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Klicka på Next



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Klicka i att du acceptera licensvilkoren och klicka på Next

B OMNIKEY 5x21, 5x25, 6321 PC/SC Driver - InstallShield Wizard	x
License Agreement Please read the following license agreement carefully.	
End User License Agreement	^
IMPORTANT - CAREFULLY READ ALL THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT (THIS "AGREEMENT") BEFORE INSTALLING THE SOFTWARE. BY CLICKING "I ACCEPT" AND PROCEEDING WITH THE INSTALLATION OF THE SOFTWARE YOU ARE INDICATING THAT YOU HAVE READ, UNDERSTAND AND ACCEPT THIS AGREEMENT, AND THAT YOU AGREE TO BE BOUND BY ITS	•
I accept the terms in the license agreement I do not accept the terms in the license agreement InstallShield < Back Next > Cancel	

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Klicka på Install

1	OMNIKEY 5x21, 5x25, 6321 PC/SC Driver - InstallShield Wizard	J
	Ready to Install the Program	
	The wizard is ready to begin installation.	
	Click Install to begin the installation.	
	If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.	
•	InstallShield	
	< Back Install Cancel	

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Installationprocessen visas

	Y 5x21, 5x25, 6321 PC/SC Driver - InstallShield Wizard					
Installing OMNIKEY 5x21, 5x25, 6321 PC/SC Driver The program features you selected are being installed.						
Please wait while the InstallShield Wizard installs OMNIKEY 5x21, 5x25, 6321 PC/SC Driver. This may take several minutes.						
	Status:					
InstallShield -	< Back Next > Cancel					

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Samt en dialogruta som visar att installationen är klar. Klicka finish för att komma vidare.



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Installation av diagnosikverktyget

Leta upp filen som innehåller diagnosikverktyget och dubbelklicka på den

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💻 Skrivbord 强 Tidigare platser	OMNIKEY5x2x_x86_R1_2_4_1	2011-06-15 09:55	Program	
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Comparison of the install of the in

Starta installationen genom att trycka på Next

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Fortsätt installationen genom att återigen trycka på Next



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Acceptera licensvilkoren genom att klicka i "I accept osv" och klicka på Next

	B OMNIKEY Diagnostic Tool - InstallShield Wizard
	License Agreement
	Please read the following license agreement carefully.
	HID OMNIKEY DIAGNOSTIC TOOL
	END USER LICENSE AGREEMENT
	IMPORTANT CAREELILY READ ALL THE TERMS AND
	CONDITIONS OF THIS LICENSE AGREEMENT (THIS
	"AGREEMENT") BEFORE INSTALLING THE SOFTWARE. BY
	CLICKING "I ACCEPT" AND PROCEEDING WITH THE
	INSTALLATION OF THE SOFTWARE YOU ARE INDICATING
	I accept the terms in the license agreement Print
1	\bigcirc I <u>d</u> o not accept the terms in the license agreement
	InstallShield
	< <u>B</u> ack <u>N</u> ext > Cancel

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Acceptera var installationen görs genom att trycka på Next.

ſ	B OMNIKEY Diagnostic Tool - InstallShield Wizard	x				
	Destination Folder Click Next to install to this folder, or click Change to install to a different folder.					
	Install OMNIKEY Diagnostic Tool to: C:\Program Files\OMNIKEY\DiagnosticTool\	Change				
		,				
	InstallShield < Back Next >	Cancel				

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Starta installationen genom att trycka på Install

B OMNIKEY Diagnostic Tool - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

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Status för installationen visas.

	Y Diagnostic Tool - InstallShield Wizard				
Installing OMNIKEY Diagnostic Tool The program features you selected are being installed.					
17	Please wait while the InstallShield Wizard installs OMNIKEY Diagnostic Tool. This may take several minutes. Status:				
InstallShield –	< Back Next > Cancel				

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Installationen är nu klar, klicka på finish.

B OMNIKEY Diagnostic Tool -	InstallShield Wizard
	InstallShield Wizard Completed
	The InstallShield Wizard has successfully installed OMNIKEY Diagnostic Tool. Click Finish to exit the wizard.
HID OMNIKEY	Launch OMNIKEY Diagnostic Tool Important Note: All previous versions of the Diagnostic Tool (e.g. in the Control Panel) have been removed. The Diagnostic Tool can now be started from the Start Menu programs.
	< <u>B</u> ack <u>Finish</u> Cancel

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Hur man kontrollerar att MIFARE kretsen fungerar på ett smartcard

Tryck på startknappen och välj OMNIKEY, Diagnostic Tool



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Cisco ASDM-IDM Launcher GIMP HTC	*	Ola Rodell	
 HTC Sync Intel Media Player Classic - Home Cinema x6 MediaMonkey 		Dokument Bilder	de
Microsoft Forefront Microsoft Office Microsoft Silverlight		Musik Hämtade filer	ogram
Net iD OMNIKEY Diagnostic Tool		Dator	
 OpenCV Projectplace SharePoint SIS Capture Station 	111	Kontrollpanelen	
Sms och mms i datorn Desktop Spel ThinkVantage		Standardprogram	
Jillbehör Underhåll	Ŧ	Hjälp och support	
Föregående Sök bland program och filer		Kör	
Sok blana program och flier		Stang av	

Om du vår upp en varningruta om att ett program från en okänd tillverkare är på väg att köras så skall du acceptera att programmet körs. Jag lyckas inte få någon skärmdump på detta!!!

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Klicka på den tredje fliken (OMNIKEY CardMan 5x21-CL 0)

m OMNIKEY Diagnostic Too	l (Ver. 2.4.0.5)				
General OMNIKEY Card Man	General OMNIKEY CardMan 5x21 0 OMNIKEY CardMan 5x21-CL 0				
Resource Manager Status :	Star	ted and Running			
	Found Reade	rs			
Name OMNIKEY CardMan 5x2 OMNIKEY CardMan 5x2	1 0 1-CL 0				
	File Versions	1			
Name	Version	Vendor			
cxru0x64.sys scarddlg.dll scardsvr.dll	1.2.3.6 6.1.7600.16	HID Global Corporation Microsoft Corporation n/a			
winscard.dll	6.1.7601.17	Microsoft Corporation			
		Create Logfile]		

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Nu är diagnostikverktyget färdig för att läsa MIFARE slingan från en smartcard

CMNIKEY Diagnostic Tool (Ver. 2.4.0.5)			
General OMNIKEY CardMan 5x21 0 OMNIKEY CardMan 5x21-CL 0			
Reader			
	Status :	No smart card inserted	
	FW : 5.10	Lib:	1.00
	Port : n/a	CT-API Port (ptn)	n/a
	Serial Number:	n/a	
-Inserted Smar	rt Card		
Smart Card Name:			
ATR:			
Protocol	P/2 PICCto	PCD: p/a France	n/2
	n/a PCDto	PICC: n/a Frequ. :	11/4
1			

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Lägg på kortet på läsaren, om allt fungerar så skall dialogrutan information liknande den följande:

General OMNIKEY CardMan 5x21.0 OMNIKEY CardMan 5x21-CL 0			
Reader			
Status : Smart card inserted			
FW : 5.10 Lib: 1.00			
Port : USB CT-API Port (ptn) n/a			
Serial Number: n/a			
Inserted Smart Card Smart Card Name:			
MIFARE Standard 4K UID:E4 B0 E3 96			
ATR:			
3B 8F 80 01 80 4F 0C A0 00 00 03 06 03 00 02 00 00 00 00 69			
Protocol : ISO 14443A PICCtoPCD: 106 kbps Frequ. : 13.56 MHz Part 3 PCDtoPICC: 106 kbps			

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