WinClient Smart Card User's Guide



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Chapter 1 : Slave Smart Card for WinClient TC-320

This chapter describes how to use the Smart Card on WinClients which support smart card features. Smart card reader has been built onto AXUS TC-320 series and with its convenient function of "Mobile Connections" and advanced security features, users are able to operate TC-320 anywhere by inserting the smart card which is stored with their own connections. Such function is specially designed for users who have to share thin-client with others.

Smart Card Features:

- PIN number is encrypted to the smart card based on the **DES** (Data Encryption Standard).
- The smart card follows ISO-7816-4 standard
- Flexible Mobile connections
- More Security & More Convenient

How to Use the Slave Smart Card on TC-320

Login with NEW Slave Smart Card

User need to change the password when login TC-320 with the **NEW** smart card. Password can't exceed 8 characters and normally the default password is "11111111".

Connection Name		Type WebSRe RDP	Status
shinet SICA01 test	Change Pin Number		
	New Pin Number :		
	Confirm Pin Number :	Cancel	

Login with NEW smart card

Change to a New Pin Number

Type the new digit number that you wish to change to on the New Pin Number column, then re-type it to verify on the Confirm Pin Number column. They both must be identical or the system will provide you with the following message.

ionnection Name <mark>kimon</mark> test			Type WebSite PowerTerm	Status
]test2k GTEST2K	Change Pin Number Default Pin Number : NeotSCard Pin NO, has not be	en changed! P	OK Iease try again	
	СК		Cancel	

Backup the original connections to Disk on Chip

The different backup procedures will be processed when you insert the smart card to TC-320.

Insert the smart card to TC-320 on POWER-ON status.

1: Please close all running sessions on TC-320 before the smart card was inserted .

2: The color of the window of **Connection Manager** will turn gray. Then a message of "backup connections...." will popup. This means TC-320 is making a backup procedures of the original connections to DOC (Disk on Chip) automatically.

Although Common	
Webckte	
RDP	
Weboke ICA	
PowerTerm	
	RDP WebSite ICA PowerTerm

Original Connections

annection Name	Type Status WebSite
hnet ICA01	WebSke
	OK

Backup Original Connections

3: PIN Number authentication dialog box will popup after the original connections backup procedures are completed. Enter the default PIN Number to login the system.

	WebSite
STCA01 Smart Card Please er	Pin Number nter pin number :
	ок

Pin Number Authentication

Notice: The smart card will be locked after three invalid entries. Contact with administrator if the smart card is locked.

Connection Name Avius Avius01 I hinet		Type WebSRe RDP WebSRe	Status
BootSC	Smart Card Pin Number		ок 🖂
	Invalid Pin No.IPlease be reminded after three invalid entries	I that the smart card v	will be locked
			1

Invalid Pin No. Remind

4: The connections of smart card will be loaded to system after passing the authentication.

ye ICADI ICA WebSRe ge TEST2K ICA	Connection Name	Туре	Status
	e€ICADI Ekimo s©TEST2K	ICA WebSRe ICA	

The Connections of Smart Card

5: Users can "Add", "Edit", "Delete" or "Connect" while the Connection Manager appeared.

Insert the smart card to TC-320 on POWER-OFF status.

1: Insert the smart card to TC-320 then power-on the system.

2: After passing the authentication, the connections of smart card will be loaded to system.

3: User can "Add", "Edit", "Delete" & "Connect" while the Connection Manager appeared.

Notice: The smart card will be locked after three invalid entries. Contact with administrator if the smart card is locked.

Add and/or Edit Connections and Save Connections to Smart Card

User can add new connections or edit existing connections then save connections to smart card.

Add/Edit Connections

Users can add the connections & edit the connections in the **Terminal Connection Manger**. Terminal Connections Manager can be invoked at anytime during normal terminal operation by pressing the "Ctrl + Alt + End". Refer to the **Chapter Terminal Connections Management** for details.

Save Connections to smart card

Save connections to smart card can be accomplished through following steps.

- 1: Add and /or edit connections in Connection Manager,
- 2: Press "smart card" tab in the menu to enter Smart Card Properties.



Terminal Smart Card Properties



There are three sections "Smart Card Pin Number", "Connections Information" and "Erase Smart Card Contents" in the smart card properties dialog box. .

Smart Card PIN	Number	Rohma i [
New :		Kedibe 1		Modify
Connections Info	Connection Type	T		
ICA01 TEST2K kimo	ICA ICA WebSite			
Total Size :				Save
	Eras	e Smart Card	Contents	Erase All

4. In the connections information section select the connections which you want to save to smart card.

Smart Card PIN	Number	Retype :	
Consections to b	analian (Modify
Connections	Connection Type		
ICA01 TEST2K kimo	ICA ICA WebSite		
Total Size : 40	128		Save
	Erase	9 Smart Card Contents	Erase All

Select Connections

Notice: The "**Total size**" indicates the total size of the selected connections. Total size can not exceed 7KB.



Smart Card		
Smart Card PIN Number	Ratura :	
	Metaboli	lodify
Corpertions Information :		
Connections Con	OK ×	
ICA01 ICA TEST2K ICA	nnections Saved I	
kimo wet		
Total Size : 4028		Save
Era	ase Smart Card Contents	rase All

Press "Save" button to save the selected connections to smart card.

Save Connections to Smart Card

If The total size, for example as follow "8226", has exceeded 7KB the warning message will show on the screen, unselect the connections and keep the total size within 7KB then save again.

Smart Card		
FSmart Card PIN Number	r	
New :	Retype :	-
	Modr	fy
Connections Information		
TMSCard	0	K×
Connections ca	an't be saved! Your connections size has exceeded	7KB.
Connections ca test: POW kimo Web	an't be saved! Your connections size has exceeded en I enm ;Site	7KB.
Connections ca Test: +OW kimo Web Total Size : 8210	an't be saved! Your connections size has exceeded er i erm :Site	7KB.
Connections ca Test: POW kimo Web Total Size : 8210	an't be saved! Your connections size has exceeded er i erm Site Erase Smart Card Contents Erase	7KB.

Exceed 7KB Storage Size Warning

5. After completed the save procedure, you can pull the smart card out of TC-320. At this moment, the system will automatic restore to the original connections.

Smart Card		
New :	Retype :	
		Modify
Con ICAC Restore Connec TES test hine	tions	
Total Size :		Save
	Erase Smart Card Contents	Erase All

Restore Original Connections to DOC

Notice: The storage size of Smart card is limited to 7KB. So only 5~7 connections is allowed on it, but it will also be depended on what kind of connections you wanted to create. The size of connections are listed as following:

ICA connection:	1,5KB
RDP connection:	0.8KB
PowerTerm Connection:	1.8KB
Internet browser :	0.4KB

Change Smart card Pin Number

Smart Card Pin Number can be changed through following steps.

1. Into the Smart Card Pin Number section, enter the "New Pin Number" & Retype "New Pin Number".

2. Press the "**Modify**" button

3. Wait for Modify completed messages appear.

martCard				
T Smart Card PIN	anter			
New : .		Retype : .	 Mad	tíy -
Connections Inft	nustion :			
Connectional IC401 TEST24 Kimp	Connection Type ICA ICA ICA VietoSite			5
Total Size (-	a-p-
	Drave	Smart Card Co	nents Bra	00 A8
rt Card Propertie		ļ.	α [Cano
Connections Dritt Connections Dritt Connections Dritt Connections Dritt Connections JCA01 TEST2X Birrio	nation Cover ICA ICA ICA ICA ICA ICA ICA ICA ICA ICA	Patype :	OK Mar	cino M

Change Password



Erase Smart card contents

Smart Card Contents can be erase by press "Erase All" button in the erase smart card section. All the contents of smart card will be deleted.

Smart Card	
New : Retype :	
M	iodify
Connections Infomation	
Connections Cont TMSCard OK ×	
TEST2K JCA Erase completed III	
kimo Web	
Total Size : 4028	Save
Erase Smart Card Contents	rase All

Erase Smart Card Contents

Chapter 2 : Master Smart Card for WinClient TC-320 Login with New Master Smart Card

 $1 \cdot \text{Once WBT}$ is on power-on status, it will show the general appearance of the picture \circ

Connection Name Plant Start Start 25 4 TEST24		Type WebSte PowerTerm EDP ICA	Status
<u>Correct</u>	Breat of		

General appearance of the picture

2 • When master smart card is insert for the first time • An PIN number confirmation dialog box will appear on the screen •



Default Password and change to a new password

The default password for the master smart card is 00000000. When the PIN number confirmation dialog box appear on the screen ' user have to enter the default Password on the default PIN number column. Enter the new password on the new PIN Number column. Enter the new password again on the confirm PIN number column to confirm the password you have created ° The password in new PIN number and confirm PIN number column has to be identical , Then press ok button ° (Every column can only contain up to 8 digital numbers ' If it's only for testing ' please enter the default password 00000000 on all columns °)

3 \cdot When the master smart card has already been used \cdot an PIN Number authentication dialog box will appear on the screen \circ

PowerTerm RDP	
ster Smart Card Pin Number Please enter pin number : CK	
	RDP ster Smart Card Pin Number Please enter pin number : CK

Pin Number Authentication

The default password for master smart card is 00000000 \circ When the dialog box press of master smart card PIN number appears $\,$ other the default PIN number and press the ok button $\,$ $\,$ $\circ\,$

Enter a invalid pin number

4 • When a invalid pin number is insert, an warning message will appear on the screen •



Invalid Pin Number

5 $\$ When master smart card is use for the first-time $\,$ on the following conditions, the Pin Number can not be changed $\,^\circ$

- (1) When new PIN number and confirm PIN number is different $\,\circ\,$
- (2) When new PIN number and confirm PIN number is blank $_{\circ}$
- (3) When default PIN number and new PIN number and confirm PIN number is blank $\,\circ\,$

ionnection Name kimp test	Type WebSite PowerTerm	Status
itest2k TEST2K	Change Pin Number	
	Default Pin Number : *******	
	Pin NO, has not been changed! Please try again.]
	OK	

Pin Number has not been changed

6 \cdot When the insert is blank, the system will provide you with the following message \circ

Connection Name Climo Lest Dest2k		Type WebSite PowerTerm RDP	Status
94 TEST2K	Master Smart Card P	lin Number	
	Pin number can't be	blaniki Please try again. X	

Blank Pin Number

Please re-enter the PIN number $_{\circ}$

7 \cdot The smart card will be locked after three invalid entries \circ

Connection Name		Type WebSite PowerTerm	Status
TEST2K	Change Pin No.In The Ma Default Pin Number :	aster Smart Card	
	Your master sma	rt card has been locked I	
		ок]

Master Smart Card Locked

When the master smart card is locked $\,{}^{,}$ please send the card back to us, we will unlock the master smart card for you $\,{}^{\circ}$

Slave Smart Card Information-	
	Disable PIN NO.
	Make Card
	Verify Card
Slave Card Count : 0	Reset Card Reset Pin

Smart Card Properties

The function of Make Slave Card page is to make the slave smart card, to verify the slave smart card and to reset the slave smart card back to it's default setting. The function of the Customer PIN Number page is to change the PIN number of master smart card \circ

Create a slave smart card

9 \cdot To create a slave smart card from a blank smart card \cdot press the make card button \cdot the system will notify the user when the card making process is completed \circ

rSlave Smart Card Information	
MF(3F00) Off EF(00C0) Off EF(00C2) Off EF(00C3) Off EF(1001) MakeSCard	Disable PIN NO.
Record01 Record02 Record03 EF(1002) Record01	Make Card Verify Card Reset Card
Slave Card Count : 0	Reset Pin

Make Card Completed

When the card is made successfully , slave card count will automatic plus one $_{\circ}$



Verify the Slave Smart Card

10 \smallsetminus When the slave smart card has been made successfully $\,$, press the verify card button to verify the format of the slave smart card $_\circ$

Slave Smart Card Information	
B (0000) B (0000)) Disable PIN NO.
Record Record Record Record Record Record Record Record Record Record Record Record Record Record Record Record Record Record Record	Make Card Verify Card
Record01	Reset Card
Slave Card Count : 00000001	Reset Pin

Verify Smart Card

Step 8 and 9 has to be completed to finish the whole slave smart card making process \circ



Reset the Slave Smart Card

11 \cdot When the slave smart card has been operating for a while \cdot And users do not wish to continue using the original setting of the slave smart card \circ By pressing the reset card button to restore slave smart card to default value \circ

Claus Caract Card Sefermation	
	Disable PIN NO.
Rect Rect Rect Rect Rect Rect Rectore smart card to	Make Card Verify Card
Record01	Reset Card
Slave Card Count : 00000001	Reset Pin
1	

Reset Smart Card

The function of reset card is to erase all the savings of the slave smart card. It also reset the PIN number back to it's default PIN number 11111111 $^{\circ}$ However $^{\circ}$ the format of original slave smart card still remains $^{\circ}$

12 \cdot When the users have forgotten or locked the PIN number for slave smart card \cdot press the reset PIN button \circ

Slave Smart Card Information	
If MF(3F00) If EF(00C2) B If EF(1001) Record(1) MakeSCard OK	Disable PIN NO.
Restore Pin No. to default valu	e. Make Card Verify Card
	Reset Card
Slave Card Count : 00000001	Reset Pin

Restore Pin Number

The function of reset PIN will set the PIN number back to it's default value 11111111 $^{\circ}$

Change the Pin Number of the Master Smart Card

13 \cdot When wish to change the PIN number of master smart card \cdot please select the Customer PIN Number page \circ

Make Slave Card	Customer Pin Number			
Customer-Ma	ster Smart Card PIN Numb	er		
New :	•••	Retype :	····	
				Modify
				1 7

Customer Pin Number

 \sim To change the PIN number of the master smart card $\,$ ' it is necessary to enter the new password on the new and retype column $\,^\circ$

Make Slave Card	Customer Pin Number			
CustomerMa	ster Smart Card PIN Numb	oer		
New :	·····	Retype :	·····•	
			Ľ	Modify
		r		

Change of Pin Number

 \cdot When change of the master smart card PIN number is completed , the system will notify the user \circ

Make Slave Card	Customer Pin	Number			
Oustomer-Ma	ster Smart Car	d PIN Number —			
New :	•••••	Pin No.C	hanged (Modif	fy
		le). 	_
				1.7	

Change of Pin Number

16 \cdot When change the PIN number of the master smart card , on the following conditions, the system will provide a warning to the user \circ

(1)When new PIN number and confirm PIN number is different \circ

(2)When PIN nun	nber and confirm	PIN number i	s blank •
-----------------	------------------	--------------	-----------

Make Slave Card	Customer Pin Number	
CustomerMa	ster Smart Card PIN Number	
	Pin NO, has not been changed! Please try again.	Modify

Pin Number not changed

 \cdot When in make slave card page , pull the smart card out of smart card reader , WBT will power off the system automatically after a few seconds \circ

nnections Configure	
Slave Smart Card Information	Disable PIN NO.
	×
There is no smart card in the reader !	Card
ок	Card
	Reset Card
Slave Card Count : 0	Reset Pin
2	

No Smart Card in the Reader

- 🔀 MF(3F00)	I CONTRACTOR DE CONTRACTOR DE LA CONTRACTÓRIA DE LA CONTRACTÓRIA DE LA CONTRACTÓRIA DE LA CONTRACTÓRIA DE LA C
- B EF(00C2) B B EF(1001)	Disable PIN NO.
There is no smart card in the reader !	Card
	Reset Card
lave Card Count : 0	Reset Pin

No Smart Card in the Reader

Notice : WBT will automatically power off the system by simply press the ok or the cancel button \circ

18 \cdot When in customer PIN number page \cdot pull the smart card out of smart card reader WBT will power off the system automatically after a few seconds \circ

PSlave Smart Card Information	
■ # MF(3F00)	Disable PIN NO.
There is no smart card in the read	er 1 Card Card
Slave Card Count : 0	Reset Card Reset Pin

No Smart Card in the Reader

Notice : WBT will automatically power off the system by simply press the ok or the cancel button ${}^{\circ}$