

Scan-X Fingerprint Transfer

Quick Guide

The screenshot shows the 'Scan-X FP Transfer v1.1' application window. It features a menu bar with 'About' and 'Quit'. Below the menu is a tabbed interface with four tabs: 'Enrollment', 'Database', 'Transfer', and 'Setup'. The 'Enrollment' tab is active, displaying a 'Details' section on the left and an 'Enroll option' section on the right. The 'Details' section includes a 'User ID' label, two radio buttons for 'ABA Card No. [10 Digits]' and 'W26 Card No. [5 Digits]', a text input field containing '12345', a 'Name' label with an empty text box, a 'Staff Code' label with an empty text box, and a 'Bypass' checkbox. A 'CLR' button is located at the bottom right of the 'Details' section. The 'Enroll option' section contains a large rectangular area showing a fingerprint image. At the bottom center of the window is a large 'Enroll' button with a green checkmark icon.

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Scan-X Fingerprint Transfer v1.1

This quick guide are meant to use with ScanxFTP v1.1 software. Please check software version before use.

Installation

Step 1: Software Installation

Using the installation CD provided, install the necessary program in the following order.

- a) Install Firebird at (*cdrom:/Scanx/Interbase/*)
- b) Select and install Firebird (*1.5 for Windows 98, ME, XP or 2.0 for Windows Vista*)
- c) Install Scan-X FP Transfer software at (*cdrom:/Scanx/Scanx v1.1 Setup.exe*)
- d) Upon completion, software is ready to use

Step 2: Enrollment Unit Installation

Using the installation CD provided, install the driver for fingerprint enrollment unit.

- a) Plug in Enrollment Unit to PC USB slot
- b) Windows will prompt new hardware found
- c) Select driver at (*cdrom:/Scanx/Drivers/*) according to Windows version
- d) Upon completion, Enrollment Unit is ready to use

Fingerprint Transfer Unit Configuration

Fingerprint Transfer Unit comes with default IP address: 192.168.0.254 and Subnet Mask: 255.255.255.0. Device connected on the same IP range, configuration can be done using web browser (*Refer Step 1*). Device connected on different IP range will need to use administrator software to configure (*Refer Step 2*).

Step 1: Web Console Configurations

Configuration for transfer unit connected on network same with default IP range.

- a) Run web browser application (*Internet Explorer, Firefox, Opera*)
- b) Enter <http://192.168.0.254/> at address bar
- c) Press Enter on keyboard and web browser will load the configuration page
- d) Select '**Network Settings**'
- e) Enter changes on '**IP Address**', '**Netmask**' and '**Gateway**'
- f) Select '**IP Configuration**' = '**Static**'
- g) Press '**Submit**' then '**Save/Restart**'

Step 2a: Install Configuration Software

Configuration for transfer unit connected on network different from default IP range.

- a) Install NPort Administrator at (*cdrom:/Scanx/NPort Setup v1.7.exe*)
- b) Upon completion, the program will launch automatically

NPort Administrator can also be run at :

*(Start > All Programs > NPort Administrator Suite > NPort Administrator) or
(C:\Program Files\NPortAdminSuite\bin\npadmer.exe)*

Step 2b: Load Configuration Settings

Load Fingerprint Transfer Unit configuration file.

- a) Select '**Function**' then '**Configuration**' at the menu list
- b) Select '**Configuration**' then '**Broadcast Search**' to list all connected devices
- c) Select '**NPort 5232**' found on the Configuration list
- d) Select '**Configuration**' then '**Import Configuration**'
- e) Press '**Browse**' and select configuration file at (*cdrom:/Scanx/Scanx Config.txt*)
- f) Press '**OK**' to save

Step 2c: Configure IP Address

Load Fingerprint Transfer Unit configuration file.

- a) Select '**Function**' then '**Configuration**' at the menu list
- b) Select '**Configuration**' then '**Broadcast Search**' to list all connected devices
- c) Select '**NPort 5232**' found on the Configuration list
- d) Select '**Configuration**' then '**Configure**'
- e) Select '**Network**' tab and check '**Modify**' checkbox to configure
- f) Enter changes on '**IP Address**', '**Netmask**' and '**Gateway**'
- g) Select '**IP Configuration**' = '**Static**'
- h) Press '**OK**' to save

Create Software User

Run and login to software (*Default Login ID: Castle, Password: Castle*)

- a) Go to '**Setup**' tab
- b) Press '**SysUser**'

1: Create System User

Create multiple user that can access to the software.

- a) Press '**Add**'
- b) Enter new '**Login ID**'
- c) Enter new '**Password**' and '**Re-confirm Password**'
- d) Press '**Save**'

2: Change Password

Change new password for the existing software user.

- a) Select Login ID to change password
- b) Press '**Modify**'
- c) Enter new '**Password**' and '**Re-confirm Password**'
- d) Press '**Save**'

3: Delete Software User

Delete existing software user from the software.

- a) Select Login ID to delete
- b) Press '**Delete**'

Reader Configuration

Run and login to software (*Default Login ID: Castle, Password: Castle*)

- a) Go to '**Setup**' tab
- b) Press '**Reader**'

1: Add New Reader

Configure Scan-X reader into software to allow fingerprint transfer.

- a) Press '**Add**'
- b) Enter '**Reader Name**'
- c) Enter '**Module ID**' (*All reader has unique module ID configured*)
- d) Enter '**IP Address**' (*Fingerprint Transfer Unit IP address*)
- e) Enter '**Port No.**' (*Port 1 = 4001 and Port 2 = 4002*)
- f) Press '**Save**'

2: Change Reader Settings

Changes on module ID, IP Address or Port Number must be updated to software.

- a) Select Reader to change settings
- b) Press '**Modify**'
- c) Enter changes for '**Module ID**' or '**IP Address**' or '**Port No.**'
- d) Press '**Save**'

3: Delete Reader

Delete existing reader from the software.

- a) Select Reader to delete
- b) Press '**Delete**'

4: Calibrate Sensor

Calibrate sensor to check sensor status and reset setting.

- a) Select reader
- b) Press '**Calibrate**'

5: Delete All Fingerprint

Clear all fingerprint available in the reader.

- a) Select reader
- b) Press '**Clear FP**'
- c) Press '**Yes**' to confirm

Fingerprint Enrollment

1: Enroll User Fingerprint

Scan-X system uses Wiegand 26 (W26) card format (5 digits). Magnetic (ABA) card format (10 digits) will be automatically converted to W26. Card number is system priority therefore user which do not use card still has to enter a dummy number.

- a) Go to '**Enrollment**' tab
- b) Select and enter '**W26 Card No.**' or '**ABA Card No.**'
- c) Enter '**Name**' and '**Staff Code**'
- d) Select '**FP Bypass**' mode (*FP Bypass = Not require fingerprint just use card*)
- e) Press '**Enroll**' and wait for red light on sensor
- f) Place finger on enrollment unit (*FP Bypass user skip this step*)
- g) Press '**Yes**' to save the template or '**No**' to retry

Quality above 80% will give better verification on Scan-X reader. User can retry or use another finger to achieve higher quality image. There is maximum of 3 fingerprint per user ID.

Fingerprint Transfer

Run and login to software (*Default Login ID: Castle, Password: Castle*)

- a) Go to '**Transfer**' tab

1: Transfer User Fingerprint

Transfer user fingerprint store in database to Scan-X reader for daily usage.

- a) Select '**Reader**' to receive user fingerprint
- b) Find and select '**User**' fingerprint to send
- c) Press ' > ' button to assign to transfer list
- d) Press '**Transfer**' to send fingerprint to reader

For transferring user with FP Bypass mode, continue step 2:

2: Bypass User Fingerprint

User with difficulty to use fingerprint can bypass from using fingerprint to use card.

- a) Select '**Reader**' to receive user fingerprint
- b) Find and select '**User**' fingerprint with bypass mode
- c) Press ' > ' button to assign to transfer list
- d) Press '**FP Bypass**' to send fingerprint to reader

3: Delete User Fingerprint

Remove user fingerprint from reader to disabled their access.

- a) Select '**Reader**' to receive user fingerprint
- b) Find and select '**User**' fingerprint to delete
- c) Press ' > ' button to assign to transfer list
- d) Press '**Delete**' to send fingerprint to reader

Result Panel Status:

OK = Transfer, Delete or Update Success, Failed = Transfer, Delete or Update Fail, Not Found = User fingerprint does not exist, FP Limit = Scanner has already reach fingerprint limit for that user.

Database Maintenance

Run and login to software (*Default Login ID: Castle, Password: Castle*)

- a) Go to '**Database**' tab

1: Modify User Information

Change user information and bypass mode.

- a) Select user from the database table
- b) Press '**Modify**' and change user information
- c) Press '**Save**'

FP Bypass mode need to be updated to reader if changed, refer page 4, step 2:

2: Delete User Fingerprint Record

Fingerprint from reader must be remove first before deleting user record from database. If record is delete first, user fingerprint from reader will not be able to remove later.

- a) Select user from the database table to delete
- a) Press '**Delete**'
- b) Press '**Yes**' to confirm delete

3: Export User Record

User record can be directly import to SmartGuard card user list without the need to key in Card Number, Name and Staff Code again. Card number that already exist in SmartGuard will not overwrite.

- a) Press '**Export**'
- b) Press '**Yes**' on the reminder message
- c) Find and select '**V53User.dbf**' from SmartGuard database folder
(*C:\Program Files\Cass Tech\SmartGuardv5.5.4.0\Sysdata*)

4: Backup Database

Backup fingerprint database for safe keeping. Fingerprint transfer program must be close before proceed.

- a) Go to program folder
(*C:\Program Files\Cass Tech\ScanxFPT\DB*)
- b) Copy '**BAYSIX.gdb**' file to the desire backup media.

5: Restore Database

Restore previous backup database. Fingerprint transfer program must be close before proceed.

- a) Go to backup media
- b) Copy '**BAYSIX.gdb**' and replace the existing one at program folder.
(*C:\Program Files\Cass Tech\ScanxFPT\DB*)

Module ID Configuration

Scan-X reader come with an unique module ID. System does not allow two same module ID in a Fingerprint Transfer Unit. This tools allow user to make changes on module ID.

Run the tools at (*C:\Program Files\Cass Tech\ScanxFPT\Modulev1.0.exe*)

1: Change Module ID

Change Scan-X reader module ID to avoid conflict ID in fingerprint transfer. Changing module ID can only be done one at a time, other reader with same module ID must be power off first or disconnect from fingerprint transfer unit.

- a) Enter Fingerprint Transfer Unit '**IP Address**' and '**Port**' number
- b) Select current '**Module ID**'
- c) Select '**New Module ID**'
- d) Press '**Connect**'
- e) Press '**Change Module ID**'

2: Search Module ID

This tools can check for module ID connected to the Fingerprint Transfer Unit.

- a) Enter Fingerprint Transfer Unit '**IP Address**' and '**Port**' number
- b) Select ID to search from at '**Module ID**'
- c) Select ID to search to at '**New Module ID**'
- d) Press '**Connect**'
- e) Press '**Search**'

3: Check Fingerprint Total

Configuration Fingerprint Transfer Unit operation mode

- a) Enter Fingerprint Transfer Unit '**IP Address**' and '**Port**' number
- b) Select current '**Module ID**'
- c) Press '**Connect**'
- d) Press '**Retrieve Available**'