Oracle[®] Hospitality Cruise Shipboard Property Management System Fargo HDP5000 Printer Installation Guide Release 7.30.872 E83930-01

April 2017



Copyright © 1995, 2017 Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this software or related documentation is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

Fig	gures		4
Pr	eface		5
	Audienc	e	5
	Custome	er Support	5
	Docume	ntation	5
	Revisio	n History	5
Pr	erequisit	e, Supported Systems, and Compatibility	6
	Prerequ	iisites	6
	Suppor	ted Operating Systems	6
	Compa	tibility	6
1.	Printer,	Driver and Firmware Installation	7
	1.1.	Installing Printer Driver	7
	1.2.	Installing the Firmware	8
	1.3.	Installing Ethernet Driver	9
	1.1.	1. Adding an Encoder Instance	9
	1.1.	2. Editing Encoders Information	10
	1.1.	3. Installing CardMan Synchronous API	11
	1.1.	4. Installing CT-API Driver	12
2.	Printer S	Setup	13
	2.1.	Configuring Printer Setting to Encode Magnetic Stripe Card	
	2.2.	Configuring Printer Setting to RFID Card	14
3.	Manage	ment and Report Setup	15
	3.1.	Configuring the Hardware for Magnetic Stripe Card	15
	3.2.	Configuring the Hardware for RFID Card	15
	3.3.	Setting Up Report for Magnetic Stripe Card	

Figures

Preface

The Fargo HDP 5000 printer not only prints high quality image, it also encodes information on Radio Frequency ID (RFID) and normal magnetic cards.

This document describes the installation and usage of Fargo HDP 5000 Printer.

Audience

This document is intended for application specialist and users of Oracle Hospitality Cruise Shipboard Property Management System (SPMS).

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL: https://support.oracle.com

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at http://docs.oracle.com/en/industries/hospitality/

Revision History

Date	Description of Change
April 2017	Initial publication.

Prerequisite, Supported Systems, and Compatibility

Prerequisites

Installing a device with a correct version of firmware and driver is essential. Please obtain latest driver and firmware from hardware provider.

- Fargo HDP 5000 Software Installation CD
- FargoPrinterSDK14.dll
- Management.exe
- Administration.exe

Download the following from OMNIKEY website.

- OMNIKEY 5121 Ethernet Driver.exe
- CardMan_Synchronous_APR_V1_1_1_.exe
- CT-API_V4_0_3_0.exe

Supported Operating Systems

Microsoft Windows 7 - 32-bit System/x64-bits System

Compatibility

SPMS version 7.30.800 or later. For customer operating on version below 7.30.800, database upgrade to the recommended or latest version is required.

1. Printer, Driver and Firmware Installation

Installing the correct driver is essential for the printer to work as it should be.

1.1. Installing Printer Driver

- 1. Close all running programs and insert the Software Installation CD into your PC.
- 2. At the HDP5000 Card Printer Installation Wizard screen, click Next.



Figure 1-1 - Driver Installation Welcome Screen

3. At the License Agreement screen, read and accept the license agreement, then click Next.



Figure 1-2 - Printer Connection Type

- 4. At the Printer Connection screen, select the Local Connection type **as Network Connection**, enter the **IP Address** of the printer.
- 5. Click **Next** to begin the installation.
- 6. At the HDP5000 Card Printer Setup Complete screen, click **Finish** and reboot the PC.

1.2. Installing the Firmware

The firmware version determines the operability of the device, and below steps shall guide you into applying the correct firmware version. See *Prerequisites* page for certified firmware version.

1. Select FargoSDK.exe from the Software Installation CD.



2. At the Welcome to HID Developer Studio screen, click Next to continue.

Figure 1-3 - Welcome to HID Developer Studio screen

- 3. At the License Agreement screen, read and accept the license agreement, then click Next.
- 4. At Ready to Install screen, click Next to proceed with the installation.
- 5. At the HID Developer Studio... SDK Setup Complete screen, click **Finish** to complete the installation.

If you receive an error "FargoCardMove → ActiveX Component error" when performing the RFID Card printing, manually register the FargoPrinterSDK14.dll

1.3. Installing Ethernet Driver

Additional Ethernet Driver for RFID is required for RFID card encoding.

- 1. Select OMNIKEY 5121 Ethernet Driver.exe from the Software Installation CD.
- 2. At the Welcome to OMNIKEY 5121 Ethernet Driver Setup screen, click Next to continue.
- 3. At the Ready to Install screen, click **Next** to proceed with the installation.
- 4. At the OMNIKEY 5121 Ethernet Driver Setup Complete screen, click **Finish** to complete the installation.

1.1.1. Adding an Encoder Instance

1. Run the OMNIKEY 5121 Ethernet Drive Utility to add an encoder. The Utility is located at the Windows Startup, Program Folder of the PC.



2. In the OMNIKEY 5121 Ethernet Encoder Utility screen, select Add from the File Menu.

•

Figure 1-4 - Adding New Encoder

3. Enter the IP Address of the printer/encoder or select an installed printer instance to link the encoder to and then click **OK** to add the instance.

Use IP Address	
O Use Printer Name	

Figure 1-5 - Encoder IP Address

- 4. Select the Encoder OMNIKEY 5x21 CL-0 from the drop-down list and then click Connect.
- 5. At the message prompt to restart the PC, select **Yes** to continue.
- 6. Return to the Ethernet Encoder Utility and confirm the encoder Serial Number displayed under 'Select Encoder' field and the Reader Status is 'Request Succeeded'.

The Reader Status shows 'Encoder Busy' if another PC is connected to the encoder.

<u>File</u> <u>H</u> elp	<u>File</u> Help
Select Encoder:	Select Encoder:
OMNIKEY 5x21 LAN A9999999-CL 0 -	OMNIKEY 5x21 LAN A9999999-CL 0
Connect Disconnect	Connect Disconnect
Reader Status	Reader Status
Encoder Busy	Request Succeeded

Figure 1-6 - Ethernet Encoder Utility Connection

1.1.2. Editing Encoders Information

When an encoder IP Address has changed, you are required to modify the encoder IP Address.

1. Select the **Encoder** from the drop-down list.

Eile <u>H</u> e	lp			
Select Enc	oder:			
MNIKEY	5x21 LAN AS	9999999-CL	0	
Broadcom DMNIKEY DMNIKEY	Corp Contact 5x21 LAN AS	ed SmartCar 9999999 0 9999999 CL	d 0 -	 -
Reader S	tatus est Succ	eeded		
		Befr	eh	

Figure 1-7 - Encoder Information

2. Select Edit Selected Encoder from the File Menu.

File	Help	
	Add New Encoder Edit Selected Encoder	
	Exit	
	Connect	Disconnect
Re	equest Succeeded	
Ē	Refrest	1

Figure 1-8 - Editing Encoder Information

3. Enter the new IP Address or change the printer name and then click **OK** to save.

1.1.3. Installing CardMan Synchronous API

This API installation is required to obtain the scardsyn.dll for RFID encoding to be performed in SPMS.

- 1. Run CardMan_Synchronous_APR_V1_1_1_.exe
- 2. Click the **Setup.exe** to execute the installation.
- 3. At Welcome to the CardMan Synchronous API Setup Program screen, click Next.
- 4. Check the **DLL's** checkbox at the Component Selection window and then click **Next** to proceed.

1	Installation Options	
	■ SDK ■ DLLs	0 K 64 K
	Description This componet is necessary for building own applications based on this add-on.	Change
	Space Required: Space Available:	64 2096832

Figure 1-9 - CardMan Synchronous API Installation

5. On the Setup Complete screen, click **Finish** to complete the installation.

If you receive a 'scarsyn.dll' error when performing the RFID Card printing, manually register the scardsyn.dll to C:\windows\system32 folder.

1.1.4. Installing CT-API Driver

The OMNIKEY Reader requires the CT-API Driver to be installed prior to reading encoded cards.

- 1. Run the **CT-API_V4_0_3_0.exe**. The program performs a reader check to ensure the appropriate PC/SC driver is installed.
- 2. At the Reader Check screen, click **Yes** to continue.
- 3. At the Welcome screen, click Next to install.
- 4. At the Save the CT-API Configuration screen, then click **OK** to close.

D	Your CT-API based application maybe needs following configuration data :
	OMNIKEY CardMan 5x21 0: Port (ptn) =90 or 1
	Name of the CT-API DLL : ctdeutin.dll •
	PLEASE STORE THIS INFORMATION FOR LATER USAGE !

Figure 1-10 - CT-API Configuration

5. Restart the PC.

2. Printer Setup

Prior to using the printer, an additional setting is required to handle different type of card encoding. Below section describes the steps to configure the printer for Magnetic Stripe card and RFID Card.

2.1. Configuring Printer Setting to Encode Magnetic Stripe Card

- 1. Navigate to the **Devices and Printers** panel of the PC connected to the printer.
- 2. At the HDP5000 printer icon, right click and select Properties.
- 3. Under the Printer Properties, General tab, select **Preferences**.
- 4. In the Card tab, Orientation section, select print orientation as Landscape.
- 5. Navigate to Magnetic Encoding tab and select 'Custom Encoding' from Encoding Mode drop-down list, and then select 'ISO Encoding' in **Track 1** and **Track 2** tab.

Aggnetic Encoding Lamination K Panel Resin Supplie incoding Options Encoding Coercivity High(2,750 De) Shift Data Left Aggnetic Track Options Track 1 Track 2 Track 3 Encoding Mode Even Parity Character Size Character Parity 7 ASCII Offset Reverse Bit Order Bit Density 210 Default	Card Device	Options	Image Color	Image T	ransfer
incoding Options Encoding Mode Custom Encoding Coercivity High(2,750 De) Shift Data Left Agenetic Track 0 ptions Track 1 Track 2 Track 3 Encoding Mode ISO Encoding Character Size Character Size Character Parity ASCII Offset SPACE Reverse Bit Order Bit Density 210 BPI 210 Default	lagnetic Encoding	Lamination	K Panel Res	in S	upplies
Incoding Mode Custom Encoding Coercivity High(2,750 De) High(2,750 De) Hi	ncoding Options				
Custom Encoding Coercivity High(2,750 De) High(2,750 De) Track 1 Track 2 Track 3 Encoding Mode Encoding Mode Encoding Mode Encoding Mode Exem Parity Character Size Character Parity 7 Bits ASCII Offset Reverse Bit Order ASCII Offset Reverse Bit Order Add Leading Zeros Bit Density 210 BPI 210 Default	ncodina Mode				
Coercivity High(2,750 De) High(2,750 De) Aggnetic Track 0 ptions Track 1 Track 2 Track 3	Custom Encoding	-			
Agnetic Track Options Track 1 Track 2 Track 3 Encoding Mode ISO Encoding Character Size Character Size Character Size ASCII Offset SPACE Bit Density 210 Encoding Zeros Bit Density 210 Encoding Zeros Bit Density Default	`oercivitu				
Agnetic Track Options Track 1 Track 2 Track 3 Encoding Mode ISO Encoding Character Size Character Size Character Parity Chara	High(2,750,0e)	•	🔲 Shift Data Laft		
Aagnetic Track Options Track 1 Track 2 Encoding Mode ERC Generation ISD Encoding Even Parity Character Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 +			Shint Data Left		
Aggnetic Track 0 ptions Track 1 Track 2 Encoding Mode LRC Generation ISD Encoding Even Parity Character Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 210 BPI 210					
Track 1 Track 2 Track 3 Encoding Mode SO Encoding Character Size Character Parity 7 Bits ASCII Offset SPACE Bit Density 210 BPI 210 © Default Track 2 Track 3 ERC Generation Even Parity Even Parity E	lagnetic Track Options				
Encoding Mode LRC Generation ISO Encoding Even Parity Obaracter Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 Pri	Teach 1 To a local s				
Encoding Mode LRC Generation ISO Encoding Even Parity Character Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 Pri	Track 1 Track 2	rack 3			
Encoding Mode LRC Generation ISO Encoding Even Parity Character Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 Pri					
ISD Encoding Even Parity Character Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 Pri					
Character Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 👘	Encoding Mode		LRC Generation		
Character Size Character Parity 7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 End	Encoding Mode	.	LRC Generation	v	
7 Bits Odd Parity ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 BPI	Encoding Mode ISO Encoding	•	LRC Generation Even Parity	v	
ASCII Offset Reverse Bit Order SPACE Add Leading Zeros Bit Density 210 BPI V 210 N Default	Encoding Mode ISO Encoding Character Size	•	LRC Generation Even Parity Character Parity	•	
SPACE Reverse Bit Order Bit Density Add Leading Zeros 210 BPI 210 📩	Encoding Mode ISO Encoding Character Size 7 Bits	•	LRC Generation Even Parity Character Parity Odd Parity	~	
SPALE Add Leading Zeros Bit Density 210 Add Leading Zeros	Encoding Mode ISO Encoding Character Size 7 Bits	•	LRC Generation Even Parity Character Parity Odd Parity	*	
Bit Density 210 BPI	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset	•	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or	T T T T T T T T T T T T T T T T T T T	
210 BPI v 210 A Default	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE	v v	LRC Generation Even Parity Odd Parity Reverse Bit Or Add Leading Z	v der eros	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density	v	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	v der eros	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density 210 BPI	▼ ▼ ▼ 210 ★	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	v der ieros	
SPACE Image: Construction Bit Density 210 Image: Construction Default	Encoding Mode ISO Encoding	•	LRC Generation Even Parity	Ŧ	
210 BPI v 210 A	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE	•	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or	v v	
210 BPI V 210 X Default	Encoding Mode ISD Encoding Character Size 7 Bits ASCII Offset SPACE	•	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	v v der eros	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density	~	LRC Generation Even Parity Odd Parity Reverse Bit Or Add Leading Z	v der ieros	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density 210 BPI	▼ ▼ ▼ 210 ↓	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	v der ieros	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density 210 BPI	* * * 210 *	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	v der eros sult	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density 210 BPI	▼ ▼ 210 ×	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	♥ der eros	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density 210 BPI	* * * 210 *	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	v der ieros	
	Encoding Mode ISO Encoding Character Size 7 Bits ASCII Offset SPACE Bit Density 210 BPI	 ▼ ▼ 210 × 	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Or Add Leading Z	v der ieros sult	

Figure 2-1 - Printer Settings for Magnetic Stripe Card

6. In the Track 3 tab, choose 'Raw Binary Encoding' and check the 'Reverse Bit Order' check box.

Card	Device	Options	Image Color	Ima	ge Transfer
Magnetic E	ncoding	Laminatio	n K Panel Re	sin	Supplies
Encoding N Custom Er Coercivity High(2,75) Magnetic T Track 1	fode ncoding De) rack Options	Track 3	🦳 Shiit Data Lef	t	
Enco	ling Mode		LRC Generation		
Raw	Binary Encod	ding 🔻	NoLRC	Ŧ	
Chara 9 Bits	cter Size	_]	Unaracter Parity	<u>_</u>]	
ACCU	04	· .	[NOT any		
NUU	onset	*	Reverse Bit (Order	
Bit De	neitu		Add Leading	Zeros	
2108	3PI	▼ 210	De	fault	

7. Click **OK** to save the changes.

2.2. Configuring Printer Setting to RFID Card

1. Repeat step 1 to 4 of the above.

	ard Device Optio		Image Color	Image Transfer	
Magnetic E	incoding	Lamination	K Panel Resin	Supplie	
ncodina (Intions				
Encoding k	Aada				
ISO Enco	dina	-			
	ung				
Coercivity					
High(2,75	0 (Je)	•	📃 Shift Data Left		
Aagnetic T	rack Options				
Track 1	Track 2 T	rack 3			
	HOOK 2 1	NON O	7		
E	ding Mada	_			
Enco	ung mode		LRC Generation		
ISO 8	Encoding	~	Even Parity	-	
ISO 8 Chara	Encoding cter Size	Ţ	LRC Generation Even Parity Character Parity	*	
ISO E Chara 7 Bits	Encoding cter Size	Y	LRC Generation Even Parity Character Parity Odd Parity	* *	
Chara 7 Bits ASCII	Encoding cter Size	Y	LRC Generation Even Parity Character Parity Odd Parity	v	
Chara 7 Bit ASCII	Encoding cter Size Offset		LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Orde	▼ ▼	
Chara 7 Bits ASCII SPAL	Encoding oter Size offset DE ensitu	* *	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Orde Add Leading Zer	▼ er ros	
Chara 7 Bit SPAI Bit De 210 B	Encoding cter Size 0 ffset CE shoity 3PI	▼ ▼ ▼ 210 ◆	LRC Generation Even Parity Character Parity Odd Parity Odd Parity Add Leading Zet Defau	▼ er ros	
Chara 7 Bits ASCII SPAI Bit De 210 B	Encoding coter Size S Offset CE ensity BPI	▼ ▼ ▼ 210 ★	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Orde Add Leading Zer	v er ros k	
Chara 7 Bit: SPA(Bit De 210 I	Encoding cter Size s Offset CE ensity 3PI	v v 210 A	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Orde Add Leading Zer Defaul	er It	
Charac 7 Bits ASCII Bit De 210 I	Encoding cter Size S Offset CE snsity 3PI	 ▼ ▼ 210 ▲ 	LRC Generation Even Parity Character Parity Odd Parity Reverse Bit Orde Add Leading Zer Defaul	v er ros k	

Figure 2-2 - Printer Settings for RFID Card

- 2. Navigate to Magnetic Encoding tab and select 'ISO Encoding' from Encoding Mode drop-down list, and then select 'ISO Encoding' in **Track 1**, **Track 3** and **Track 3** tab.
- 3. Click **OK** to save the changes.

3. Management and Report Setup

The following steps describe the steps to connect the Fargo HDP 5000 printer in Management module.

3.1. Configuring the Hardware for Magnetic Stripe Card

- 1. Run Management module, and select Options from the menu bar.
- 2. In the Options window, click the Hardware tab.
- 3. In **Report Printers** section, select **Cards**, and then navigate to **Card Printer combo box** and choose **"Fargo HDP 5000"** from the printer drop-down list.

General C	Colors	Hardware	Video Parameters	D	ocument Sca	nner		
Report Printers Cards Certificates Invoices Invoices Invoices Itinerary Key Runner Receipts Label Label Labels Messages Receipts Reports Safety Forms Tickets Visa Forms Visitors Forms Vouchers Card Printer Fargo HDP5000 OMNIKEY 5x21 LAN B0230121-CL D on oct encode Magnetic Stripe HDP5000 Card Printer	0 Properties	Card Reader/Encoder # Card Reader Type: Port: Encode Door Lock (Tr Passport Readers Passport Readers Passport Reader Type: Enable MyCard ACR3 Enable MyCard ACR3 Special RFID Encoding Port: CEIA Reader Port: CEIA Reader Port: CEIA Reader Port: CEIA Reader Port: CEIA Reader Port: CEIA Reader Port: Track 1 Start Sentinel : Track 2 Start Sentinel :	(None) 8 Reader ton Emulation % End Sentinel : 2 ;		Barcode Port Numbe Speed (Bits Data Bits: Parity: Stop Bits: Stop Bits: Signature D (None)	Reader (RS2: r: Per Second): 	32 Connection)	REFER

Figure 3-1 - Management module Hardware Options - MagCard

- 4. Check Encode Door Lock (Track #3) Key under Card Reader/Encoder #1 section.
- 5. Click **Apply** to save the settings, and then **OK** to exit.

The printer settings are saved to 'FCSettings.par' under parameter setting: [#Fidelio Cruise.Printer.Cards=HDP5000 Card Printer#] [#Fidelio Cruise.Printer.BoardCard=6#]

3.2. Configuring the Hardware for RFID Card

1. Repeat step 1 and 2.

General	Colors	Hardware	Video Parameters	Document Scanner	
Report Printers		Card Reader/Encoder #	1	Barcode Reader (RS232 Connection)
Certificates Invoices Itinerary	Î	Card Reader Type: Port:	Standard	Port Number: Speed (Bits Per Secon	nd):
Key Runner Receipts Label Labels Messages Receipts Penorts	a de la companya de la company Recentra de la companya de la company	Passport Readers Passport Reader Type:	(None)	Data Bits: Parity: Stop Bits:	
Safety Forms Tickets Visa Forms Visitors Forms Vouchers	+	Enable MyCard ACR3 Special RFID Encoding Port:	8 Reader		
Card Printer Fargo HDP5000 RFID	<u>.</u>	CEIA Reader Port:	ton Emulation		
OMNIKEY 5x21 LAN B02301	21-CL 0 🔽	Track 1 Start Sentinel : Track 2 Start Sentinel :	Find Sentinel : ?	- Signature Device	
HDP5000 Card Printer	Properties	Track 3 Start Sentinel :	+	(None)	1

Figure 3-2 - Management module Hardware Options - RFID

- 2. In **Report Printers** section, select **Cards**, and then navigate to **Card Printer combo box** and choose **"Fargo HDP 5000"** from the printer drop-down list and Smart Card as **OMNIKEY 5x21 LAN B0230121-CL 0.**
- 3. Select Printer Name as HDP 50000 Card Printer.
- 4. Check Encode Door Lock (Track #3) Key under Card Reader/Encoder #1 section.
- 5. Click **Apply** to save the settings, and then **OK** to exit.

The printer settings are saved to 'FCSettings.par' under parameter setting: [#Fidelio Cruise.Printer.Cards=HDP5000 Card Printer#] [#Fidelio Cruise.Hardware.RFIDEncoder=OMNIKEY 5x21 LAN B0230121-CL 0#] [#Fidelio Cruise.Printer.BoardCard=7#]

3.3. Setting Up Report for Magnetic Stripe Card

As every boardcard report layout differs from another, this section describes the steps to setup a report layout for Fargo HDP 5000 Printer.

- 1. Open the report template with Crystal Report program.
- 2. Insert below formula in the Formulas field of the report template.
 - @SSELSTRING2
 - @SSELSTRING3
 - @SSELSTRING4

```
• @track1
if trim({@SSELSTRING2})='' then
''
else
{@SSELSTRING2}
```

```
@track3
if isnull({@sselstring4}) then
''
else
left({@sselstring4},4) + '00000000000' + mid({@sselstring4},
5)
@Track
Formula Editor = {@track1} + {@SSELSTRING3} + {@track3}
```

Modification of the formula is done using Crystal Report program to facilitate the requirements set by Fargo to have a 14 leading zeros to be inserted into Track 3 Raw encoding for Ving Vision System verification.

- 3. Run Administration module and select Systems Setup, Reports Setup from the menu.
- 4. Under Current Reports List group '_Onboard Cards', search for **Passenger Door Card** report.
- 5. In the Formulas field of the report, insert the formula per below in Crystal Report Formulas section:

```
sselstring2='[$sselstring2]'[~]sselstring3='[$sselstring3]'[~]sse
lstring4='[$sselstring4]'
```

Default Standar	d [Direct Printing Pr	roperties	E	mail Template
Uploa	d New Report (Loa Ten	d Variables From the Report nplate)	Export to C	Crystal	Upload Report
Reports can be Imported, and Customs properties of the rep	Exported from the ort. When Importin	database. Reports exported ig them, dick the option above	by the system, are em to automatically insert	bed with the Selection t those stored variable	Parameters into the sinto the database.
		Report Det	ails		
Report ID:	Paxi	DoorCard1			
Report File Name:	Paxi	DoorCard1.rpt			
Report Title:	Pass	enger Door Card			
Report Access:	31				
Report Sort:	9999	9			
Report Group:	_On	board Cards			
Report Comments:					
		Print Defa	ult		
Printer Type:		Car	ds		
Number of Copies:		1			
Orientation:		Lan	dscape		,
		SQL			
Database SQL	SEL "PA) "RES	ECT "RES". "RES_EMB_E", "RES ("."PAX_NAME", "RES". "RES_E 5"."RES_STATUS", "RES"."RES_	S"."RES_DIS_E", "PAX" MB_A", "TYP_NAT"."TY _TAG"	."PAX_TITEL", "PAX"." 'P_ART", "MST"."MST_	PAX_FSTN", ID", "PAX"."PAX_PASSNO",
		Selection For	rmula		
Crystal Selection Formula:	{RE:	S.RES_ACC}=[\$sAccountID]			
Formulas:	ssels	string2='[\$sselstring2]'[~]ssels	tring3='[\$sselstring3]'	[~]sselstring4='[\$ssel:	string4]'
	🕜 Crystal Fi	le OK		Apply	Cancel

Figure 3-3 - Report Setup

6. Click **Apply** to save the changes.