

Javelin J200i/J230i

User Guide



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Javelin J200i / J230i May2014 User Manual – V.1.5



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Contents

Caution 06

Getting Started 09~19

- Introduction 09
- Contents in Package 09
 - Printer Features 10
- Loading Cleaning Roller 14
 - Loading Ribbon 15
 - Single Card Feeding 16
 - Loading Cards 17
- Using Magnetic Stripe Cards. 18
- Card Output Stacker For the J230i 18
- Power Device, Power Cable, Communication Cable 19

Driver/Software Installation 20~24

- PC Systems requirement 20
 - Installing Driver 20
- Smart Card Reader Driver (Option) 25
 - Removing Driver Application 27
 - Removing Driver Application 28

Printer with Card Printer 29~32

- Setting up as the default printer 29
- Changing the printer port (for Driver printing) 30
 - 3.3 Printing a Card 32
 - 3.4 Canceling Print 32

Printer Driver Settings 33~50

- Opening in printer folder 33
- Opening in printing Preferences on application software 33
 - Network Configuration Settings (Option) 42



Contents

Printer Operation 51~55

- Printing a Card 51
- Setting printer properties 51
 - Printing a sample Card 52
- Printing a self-test card 53
- Printing via a PC Connection 54
- Printing One Card at a Time 54

Instructions on Maintenance 55~61

- Maintenance of Product 55
- How to Clean the Printer 56
- Thermal Print Head Cleaning Pen and Alcohol Swab 60
 - Washing the Blue Cleaning Roller 61

Troubleshooting 62~64

- In case front LED keeps on flashing or always on all the time. 62
 - Other Troubles 64

Other Issues 65

- Color Ribbons 65
- Monochrome Ribbons 65

NBS Card Printer Specifications 66~67

- Main Features 66
- Specifications 66
- Regulatory 68~69



Javelin J200i / J230i May2014 User Manual – V.1.5

CAUTION

User should read caution information and keep in mind before use. Different icons remind important information as to safety. NBS Technologies is not responsible for physical harm to body or physical damage to the product occurred by user's careless use.



DANGER Warns user of risk of losing life or being seriously injured.



WARNING

Warns user of risk of being seriously or slightly injured, or damage to product.



CAUTION

Warns user of slight damage to body.



NOTE

Indicates information that supplements detailed information.

The information in this user manual is subject to change without notice.





DANGER

Warns user of risk of losing life or being seriously injured.

POWER

- Do not use damaged power cord, plug or socket.
- Do not pull plug with power cord.
- Do not touch power plug with wet bare hand.
- Do not bend power cord or put heavy things on the power cord.
- Unplug during thunder and lightning or storage

INSTALLATION

- Do not place the printer in wet. dirty place.
- Do not put lightings on the printer. Put the printer away from heat source.
- Unplug while moving the printer.
- Put the printer away from flammable source.

CLEANING

- Keep the plug dry and clean
- Unplug the printer before cleaning. Do not use water or chemical cleanser.

MISCELLANEOUS

- Take care not to spill any liquid on the printer
- In case of abnormal situation in the printer.
- Unplug the printer immediately and contact your dealer.
- Make sure that you use the adequate power adaptor.





CAUTION

Warns user of slight damage to body.

INSTALLATION

- Do not put the printer on unstable place.
- Avoid direct sunlight.

MISCELLANEOUS

- Do not disassemble cover or protection parts.
- When you put hand inside the printer, do not operate it.
- Make sure that you perform cleaning and maintaining according to the instructions.
- Do not disassemble, repair, modify.
- Do not put heavy things on the printer.

CLEANING

- Do not disassem ble cover or protective parts.
- Do not operate printer with your hand inside.
- Make sure that you perform cleaning and maintenance according to the instructions



Getting Started

Introduction

This card printer enables user to create cards easily and shortly in accordance with the card specifications you wish to get. You can get high quality color image with the card printer of dye sublimation printing. In order to meet customers' requirements, it provides options such as magnetic stripe, IC(Contact), RF(Contactless) encoding, automatic duplex as well as bar code, diagram, picture printing.

It is useful for creating bank cards, membership cards, loyalty cards and identification cards on PVC card.

Outents in PackageImage: state s

Please make sure that printer and all the accessories are in good order. If any items are missing, please contact your dealer.



Javelin J200i / J230i May2014 User Manual – V.1.5

Printer Features

Javelin J200i (Manual Feeding, Single-side Printing)



Features Description

- 1 LED Display
- LED shows the status of printer

- Mobile chip socket (Optional) - Power on and off

- Used for memory stick HUB

- LCD panel displays the status of printer

- Button for card eject from printer inside

- Automatic Dual Side Printing (Optional)

- 2 LCD Display
- 3 Card Eject Button
- 4 Ribbon Set Button Button for replacing or repositioning ribbon
- 5 Single Feed Slot One by one manual feed and Cleaning card slot
- 6 Mobile Chip Slot
- 7 Power Button
- 8 Printer Lid
- 9 Flipper
- 10 USB Socket
- 11 USB Port
- 12 Ethernet Port
- 13 RS232C Port
- 14 Power Socket
- Used for connecting USB cable between a PC and Card Printer
 Used for supplying power
- 15 External RF
- External RF Card Read/Write Station (Optional)

- Open the lid to load a cleaning roller and a ribbon

- Used for connecting USB cable between a PC and Card Printer

- Used for connecting USB cable between a PC and Card Printer

Even though we have two different models of Javelin J2xx, since there is no big difference in operating them, this user manual is designed for J230i dual-sided as the main reference.



Javelin J200i (Manual Feeding, Dual-side Printing)



Features Description

- 1 LED Display
- LED shows the status of printer
- 2 LCD Display
- LCD panel displays the status of printer
- 3 Card Eject Button Button for card eject from printer inside
- 4 Ribbon Set Button
 - on Button for replacing or repositioning ribbon - One by one manual feed and Cleaning card slot
 - Single Feed Slot One by one manual feed and Mobile Chip Slot - Mobile chip socket (Optional)

- Power on and off

- 6 Mobile Chip Slot7 Power Button
- 8 Printer Lid
- 9 Flipper

5

- 9 Flipper
- 10 USB Socket
- 11 USB Port
- 12 Ethernet Port
- 13 RS232C Port
 - Used for connecting USB cable between a PC and Card Printer - Used for supplying power

- Used for memory stick HUB

- 14 Power Socket15 External RF
- External RF Card Read/Write Station (Optional)

- Open the lid to load a cleaning roller and a ribbon

- Used for connecting USB cable between a PC and Card Printer

- Used for connecting USB cable between a PC and Card Printer

- Automatic Dual Side Printing (Optional)

Even though we have two different models of Javelin J2xx, since there is no big difference in operating them, this user manual is designed for J230i dual-sided as the main reference.



Javelin J230i (Automatic feeding single-sided printing)



- LCD panel displays the status of printer

- for ejecting card from the printer - for synchronizing ribbon

- Stacks printed cards up to 75

- Used for memory stick or USB

- Card Feed slot and cleaning card slot

- Open for replacing ribbons and cleaning

- USB Communication Port Used for connecting PC and printer with

- Automatic dual side printing (Option)

Features Description

- 1 Input Hopper
 - Loads up to 100 cards LED Display - LED shows the status of printer
- 3 LCD Display

2

- 4 Card Eject Button
- 5 Ribbon Set Button
- 6 Single Feed Slot
- 7 Power Button
- 8 Output Stacker
- 9 Printer I id
- 10 Flipper
- USB Socket 11
- 12 USB Port
- - USB cable Used for networking printer (Option)

- Power on and off

- 13 Ethernet Port 14 RS232C Port
- Used for connecting PC and printer with RS232C
- 15 Power Socket Power Socket Used for supplying power
- 16 External RF External RF Recognize RF Card (Option)

Even though we have two different models of Javelin J2xx, since there is no big difference in operating them, this user manual is designed for J230i dual-sided as the main reference.



Javelin J230i (Automatic feeding dual-sided printing)



Features Description

- Input Hopper
 LED Display
 LCD Display
- Loads up to 100 cards
 LED shows the status of printer
- LCD panel displays the status of printer
- 4 Card Eject Button for ejecting card from the printer
 - for synchronizing ribbon
 - Card Feed slot and cleaning card slot

- Open for replacing ribbons and cleaning

- USB Communication Port Used for connecting PC and printer with

- Automatic dual side printing (Option)

- Power on and off
- 8 Output Stacker Stacks printed cards up to 75

Ribbon Set Button

Single Feed Slot

Power Button

- 9 Printer Lid
- 10 Flipper

5

6

7

11

- USB Socket Used for memory stick or USB
- 12 USB Port
- 13 Ethernet Port Used for networking printer (Option)
- 14 RS232C Port Used for connecting PC and printer with RS232C

USB cable

- 15 Power Socket Power Socket Used for supplying power
- 16 External RF External RF Recognize RF Card (Option)

Even though we have two different models of Javelin J2xx, since there is no big difference in operating them, this user manual is designed for J230i dual-sided as the main reference.



Javelin J200i / J230i May2014 User Manual – V.1.5

Loading Cleaning Roller



Load a new cleaning roller or wash a used cleaning roller with each roll of printer ribbon.



Loading Ribbon



Open the printer's lid by pressing cover "**OPEN**" button and raise it fully.



Place the supply spool into the front slots and the take-up spool into the rear slot. Firmly close the printer lid.

Please note: Incorrect lid closure may result in poor quality print.



Single Card Feeding

Inserting Cards

Cards are inserted one at a time into the slot at the front of the printer. The card is printed on the top surface and is ejected through the same slot.

Note: Handle the cards only by the edges

This figure shows the encoding orientation for contact smart-cards and cards with a magnetic stripe, on a J200i printer.



Insert card, one at a time, into slot at front of printer. In the case of magnetic stripe card, the stripe should be on bottom and to the right.



Card will be ejected through the same slot after printing.

If printing is desired on the side of the magnetic-stripe, the card should be inserted with the stripe on the top surface and to the right. For contactless smart-cards, orientation is not important.



Loading Cards

Open the card feeding lid.





Using Magnetic Stripe Cards.

If your printer has the option of magnetic stripe encoding, you can print and encode the magnetic stripe (ISO 7811 track 1,2,3, Hi-Co/Lo-Co)

When you load magnetic stripe cards into the printer, make sure the cards are orientated correctly. The magnetic stripe should be facing down and to the right, as per picture below.

Magnetic Card Standard		: ISO 7811		
	Track	Track 1	Track 2	Track 3
ISO 7811	Recording Density	210 BPI	75 BPI	210 BPI
	Capacity	79 characters	40 characters	107 characters
		(7 bit code)	(5bit code)	(5 bit code)
	Start/End code	%/?	;/?	;/?



Card Output Stacker for the J230i



Lock the card output stacker into slots of the front side.



Getting Started

Power Device, Power Cable, Communication Cable



Use only USB cable provided by NBS and PC having authentic USB 2.0.



Driver Software install

PC Systems requirement

The following operation systems are supported:

- Windows 2000
- Windows XP (32/64bit)
- Windows Vista (32/64bit)
- Windows 7 (32/64bit)
- Windows 8 (32/64bit)

Computer:

- CPU : Pentium III 1Ghz above (Pentium IV 1.5Ghz recommended)
- Memory : 128MB above (512 MB recommended)
- HDD : 1 GB above (5GB recommended)
- Internet Explorer 5.5 above (6.0 recommended)

To install/remove the driver/software on Windows 2000/XP/Vista/7, 8, you must be logged in as the administrator.

Installing Driver

Close all windows in operation (Recommended)

Putting the installation CD into the CD-ROM Drive of the computer, the installation window will "**Open automatically or click Install .exe**".



The initial window of Card Printer installation program like the following will automatically open.

"Click Start" to begin installation process.



Select the software you wish to install. "Click Next".





NOTE:

When installing the printer onto a network, connect Ethernet cable to printers Ethernet port. Select "Network Software & Card Printer Driver"

Printer Driver before clicking "Next". Switch Printer on (Ethernet install only) and when ready press Set ribbon prior to printing



After reading license agreement for the software installation, **"Select Agree**" and then **"Click Next**".

NBS Technologies J230i Driver		×
	Welcome to the J230i Driver Setup Wizard. Before installing an application program, refer to the following text and agree to it.	
	The End User License Agreement for NBS Technologies 2230 Driver Software This is for the copyright related to the use of the printer driver and application program developed by NBS Technologies. You agree to this License Agreement by installing or coping to use this software or using it in other ways.	
	Cancel << Prev Next >> Finish	

Select the port type you wish to install. "Click Next".

NBS Technologies J230i Driver	x
	NBS Technologies J230i Driver Select a port to install.
(I)	Local Port(USB) CITUSB
	C Network Printer Search
	Input by User 000.000.000 Config
	USB Network
	IP Address
	Subnet Mask
	Gateway
	DHCP Mode Search Setting
	Check items, and then dick Next.
	Cancel << Prev Next >> Finish



If Network Software is selected. This window will be shown and it will display an IP address by automatically searching the Network to which the printer is connected.

NBS Technologies J230i Driver		×
	NBS Technologies J230i Driver Select a port to install. C Local Port(USB)	
	Imput by User Imput by User Imput by User Config USB Network IP Address . . Subnet Mask . . Gateway . . HCP Mode Search Setting	
	Cancel << Prev Next >> Finish	

- [Search] button : This searches Network Board.
- [Config] button : This configures Network architecture.
- [Input by User] : If an IP address is not searched automatically, you can create a port by inputting an IP address directly. You should use this feature in case that you can't search an IP address even though Network Setting is done.
- If an IP address on the right-hand box next to Network Printer is not searched.

you may configure it by clicking Config button. Please refer to the Network Configuration Settings section.

- If an IP address is "192.168.0.31".

network printer port will be address as "IP 192.168.0.31".



NOTE:

If you stop the document printing, the file in printing can be mixed up with other spooled file.



When installation is completed, please "Click Exit".



Plug the USB cable into the printer and the PC and switch the printer on and wait for the LCD to say ready (press Ribbon Set prior to printing)

Check out the selected software is installed.

Check that the selected options are installed.

Check Card Printer Driver installation

- Click Start -> All Programs -> NBS TECHNOLOGIES -> printer
- Check NBS Card Printer is in Printers folder

Check Network Printer Driver Indtallation

- Click Start -> All Programs -> NBS TECHNOLOGIES -> Network



NOTE: If the printer fails to install correctly, please follow the instructions in the next section



Smart Card Reader Driver (Option)

This function is supported on specific models.

Plug the card printer device into the computer.

In the found new hardware dialog box choose install from a list or specific location. "Click Next".

	Completing the Found New Hardware Wizard
A.	The wizerd has finished installing the software for:
	Smart Card Reader
L.	Dick Finish to close the wizard.
	< <u>Back</u> Finish Cancel
i New Hardware Wi tase choose your sea	Zard sch and installation options.
d New Hardware Wi base choose your sea O Search for the best (Zard zard work and installation options.
I New Hardware Wi ase choose your sea © Search for the best o Use the check boxe paths and removable	Zard izard work and installation options. diver in these locations. b below to limit or expand the default search, which includes local media. The best diver loand will be installed.
d New Hardware Wi sase choose your sea © Search for the best o Use the check boxe pethe and removable □ Search remov	Cancel Zand Zand Xinch and installation options. Silver in these locations. Solution from drue default search, which includes local media. The best driver found will be installed. able media (Roops. CD-RDM)
d New Hardware Wi asse choose your sea © Search for the best of Use the check bowe paths and removable Search remov Include this ig	
d New Hardware Wi sase choose your sea © Search for the best of Use the check boxe paths and removable Search remov V Include this lo CNORIVERS	
d New Hardware Wi asse choose your sea Search for the best Use the check boxe paths and removable Search remov ✓ Include this log CNDRIVERS O Don't search, I will cl	

Click browse to locate the location of the install file, as shown above (C/DRIVERS/USB)

(Back Next> Cancel



In the Hardware Installation dialog box, click Continue Anyway.

lar dwa	re Installation
1	The softwere you are installing for this hardwere:
	Smart Card Reader
	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



Click "Finish".

Found New Hardware Wiz	ard
	Completing the Found New Hardware Wizard The wizard has linished initialing the software for Smart Card Reader
a second participation of the second	Click Finish to close the wizard
	E Back, Finish Cancel

Check the installation of the Smart Card Reader. Click "**start**" -> Control Panel -> System -> Hardware -> Device Manager Check the "**Smart Card Reader**" is installed in Smart card readers.





Removing Driver Application

Click "Start" -> All Programs -> NBS Technologies -> Prin	ter ->
Uninstall. Click "Yes".	

💤 Uninstall NBS Technologies J	IAVEL IN Driver	×
This will remove NBS Technolog computer. Do you wish to proceed?	gies JAVELIN Driver software from your	
Yes	No	

When Uninstall is complete, Click "**OK**".

This will rer computer.	Notice	×
Do you wisł	Application and Printer Driver Uninstalled. Before you can use the program, you must restart your compu	ter.
	ок	



Smart Card Reader (Option) Driver Uninstall

Open Device manager, Click "**start**", Control panel, system, Hardware and Device Manager.

Double-click the Smart Card Reader you want to uninstall.

Right-click the Smart Card Reader and then click Uninstall.

In the confirm device uninstall dialog box, click ok. The device is uninstalled successfully.

If you install this device again, turn off the printer and turn on again.



Printer with Card Printer

Setting up as the default printer







Changing the printer port (for Driver printing)

Go "Start -> Devices and Printers"





"Right-Click Card Printer Driver and select Printing Preferences" (or Printer Properties)







If the driver is installed successfully, "Enable bidirectional support" is selected automatically. If you meet a problem when you print through the network port, please unselect "Enable bidirectional support" and proceed with printing.



Printing a Card

Open file of the Window application software you wish to print

Select the Print in the File menu.

- Make sure that you choose Card Printer . Select the printer settings you wish to print. Click Print or OK
- Ensure that the printing image is oriented in same direction (Landscape or Portrait) as that of the card.
 The preview function of the software will help you check it out.

Canceling Print

There are two ways to cancel printing 1)Canceling in an application software 2)Canceling the printing jobs at printing job window.

If a card jams whilst being printed, press the EJECT button at the front of the printer.

Please do not open the printer cover by pressing "Open" button during the operation, If the printer cover is opened during the operation the printer would be stopped automatically.

Keeping your printer operating with printer cover open, you can have the risk of injuries.

If you have any trouble, Please contact your dealer or the manufacturer.



Printer Driver Settings

User can set up own printing environment with various functions the printer provides.

Opening in printer folder

You can modify the printer settings for all applications.

"Click Start", point to "Settings", and "Click Printers and Faxes."



"Right-Click Card Printer, select Properties" (or Printing Preferences) and make the desired modifications.



Click each tab and window will open.

Upon completing settings. "Click OK".

Opening Printing Preferences on Application Software

The values input in printing program revert the to previous one when current operating program terminates.



Execute printing order in application program.



"Click Printing Preferences".



Click each tab and windows will open.



Upon completing settings. "Click OK".



NOTE: You can find out the detail description for the printing preference at the next page.



Card Tab

Opening Printing Preferences in Driver

The values input into the printing preferences in the driver will be saved.

LNBS Technologies J230i Driver Printing	Defaults	×
Card Setting Copies Qrientation Poper Source Hopper Source Card Size Card Size Card Star 85 mm	Setting Status Copies : 1 Orientation : Landscape Hopper Source : Manual Catal Set Card 54 x 85 mm Sticker Print : 1 Page Printing Method : 3 Pass Reverse Print : Off Mirror Print : Off Duplee Print : Off Ribbon Type : YMCKO Ribbon Dthering : Photo Image Color Level : 256 Black Panel(F) : Always 180 Rotation(F) : Off Overlay Panel(F) : Alu Overlay Black Panel(F) : Aluvays 180 Rotation(B) : Off Overlay Panel(F) : Full Overlay Brightness : 50 Color (R,G,B) : (50, 50, 50) Apply Image : Whole output page Image Filter : Sharpening MS Macro Process : On	
	Default	
ОК	Cancel Apply Help	

Items Description

- Copies Sets the number of copies : 1 to 999.
- Orientation Sets the card orientation.
- Hopper Source Sets the source of the card supply in printer.
- Card Size Sets the size of card.



NOTE:

Please refer to card specification of page 63 if unsure.



Output Tab

NBS Technologies J230i Driver Printing Defaults		
Card Output Image Magnetic Control	About	
Ribbon Setting		
📜 💿 YMCKO Ribbon 📕	C K Ribbon Get Ribbon	
🛄 🔿 YMCKOK Ribbon 📖	C KO Ribbon	
🔲 🔿 Half YMCKO Ribbon	C GOLD Ribbon	
C WHITE Ribbon	C SILVER Ribbon	
Printing Setting		
Duplex Print YMCKO/YMCKO	More Options	
Front Side Black Panel Always	Back Side Black Panel Always	
180 Rotation Off	180 Rotation Off	
Overlay Panel Full Overlay	Overlay Panel Full Overlay	
Black Area Setting Black Area	Black Area Setting Black Area	
Half YMCKO Ribbon	Half YMCKO Ribbon	
Print Start 1 × Width 35 × mm	Print Start 1 🔆 Width 35 🔭 mm	
	Default	
	Derault	
OK	Cancel <u>A</u> pply Help	

Items Description

- Ribbon Type Sets the type of ribbon to be used
- Duplex Print prints the contents of a document on both sides of the card
- Black Panel, Select the K panel for printing black text and black images included in the design
- -180 Rotation will print the contents of the output data upside down on the card
- Overlay Panel option sets up the overlay panel for protecting the printed card.

Options include : Full Overlay/No Overlay/Selected Area/Use Image File/Smart card ISO/Smart card AFNOR/Magnetic card



NOTE:

For all Monochrome and Black/Overlay (KO) ribbons, you will need to set the ribbon manually.



More Options

More Options		×
Printing Options		
Printing Process Display at LCD		
Display the Information of Ribbon		
Output Options		
Color Level	256	
Printing Method	3 Pass	
Dithering	Photo Image 💌	
Sticker Print	1 Page	
Reverse Print		
Mirror Print		
Printing the color text to black panel		
<u>O</u> k	C <u>C</u> ancel <u>D</u> efault	

Items Description

- Using the Spooler, Sets the method of transmitting data to the printer
- Printing Process Display on LCD, Displays printing process on LCD
- Display the information of the ribbon, Displays residual counts of ribbons.

The information can be displayed if the ribbon has an RFID tag and the count is below 40

- Color Level, when printing this sets the number of colors
- Printing method, During Printing, the print mode for color ribbon movement cab be set.

1 Pass, Transfer all data for YMCKO then prints

- 3 Pass, Transfer data for each panel then prints
- Dithering, this is applied to the data transmitted to the black panel of the ribbon (YMCKO)
- Reverse print, Reverses RGB and prints
- Mirror print, Mirrors the printing data and print.
- Printing the color text to the black panel, if color text is required in black


Image Tab

🚔 NBS Technologies J230i Driver Printing Defaults	x
Card Output Image Magnetic Control About	
Adjust Image	
do Brightness 50	
● <u>Contrast</u>	
■ <u>Red</u>	
<u>Green</u> <u>Green</u> <u>50</u>	
Blue 50	
Sharpening — 5	
Di <u>f</u> fusion	
Use Color Profile(j)	
<u>D</u> efault	
OK Cancel Apply Help	,

Items Description

- Brightness Sets the whole brightness of the printed card.
- Contrast Sets dark areas as darker and bright areas as brighter
- RGB control

The default RGB setting value is 50 and the controllable value step is 1-100 $\,$

Because the actual value steps of RGB (RED/GREEN/BLUE) is 0-255, 1 step on this control section means 2-3 level

You can see how the printing color will be changed with the control of RGB on the pictures left, balloons, but you can't see any change on the application S/W.

- Sharpening The adjustable value steps of Sharpening is 1-10, and 1 step on this control section means 1 .5 level.
- Diffusion Mixes the pixels of an image and makes it blurred
- Use Color Profile Sets the color adjustment



Magnetic Tab

You write or read track information in the magnetic strip.

📥 NBS Technologi	es J230i Driver Pi	rinting Defaults		×
Card Output I	mage Magnetic (Control About		
Magnetic Encode	er Setting			
Format	C J152	ISO		
Coercivity	⊂ <u>L</u> ow	High	C Auto	
Enable mac	ro processing			
	Start of data	End of data		
Track 1:	~1[]?		
Track 2:	~2[]?		
Track 3:	~3[]?		
JI5 2;	~4[]?		
Direct Encoding/	Decoding			
Track <u>1</u> :				
Track <u>2</u> :				
Track <u>3</u> :				
□ JI <u>5</u> 2;				
	Encoding	Decoding		Card Ejec <u>t</u>
				Default
	OF	Cano	el <u>A</u> pply	/ Help

Items Description

- Format, Sets the encoder format of the magnetic stripe
- Coercivity, Sets the coercivity type of magnetic stripe
- Enable macro processing, Send data to the magnetic stripe, when this option is set it detects the start and end of the encoding data from text format and processes it with Magnetic Stripe Encoding data.
- Encoding, Writes the data of selected track to the magnetic stripe
- Decoding, Reads the data of selected track from the magnetic stipe
- Card Eject, Ejects a card when the card remains inside the printer



Control Tab

🖶 NBS Technologies J230i Driver Printing D	efaults 🔀
Card Output Image Magnetic Control	About
Printer Information	[]
Description:	
Serial Number:	-
Version:	Memory:
MAC Address 00-00-00-00-00	IP;
Printer Setting <u>G</u> eneral Setting <u>A</u> dvanced Setting	Direct Printer Control Card Eject Self Printing Initialize Errors Self Cleaning Ribbon Sync
Status: Ready	
ОК	Cancel <u>Apply</u> Help

Items Description

- Get, Retrieves the information from the printer and displays
- Card Eject, Ejects card from printer
- Card Input, Inserts a card that is ready at feeder
- Self-printing, Prints a self-test card
- Self-Cleaning, Initializes the clean cycle.
- Ribbon Sync, Synchronizes the ribbon.
- Initialize Errors, Removes the error state of the printer .



General Setting Tab

General Setting				×
Print Speed (Mono)	🖲 Normal	C Low		
Auto Ribbon Sync	🖲 No	C Yes		
Card Ready Position	🖲 Eject	C Internal		
Card Input Option	\odot External	C Internal		
Card Eject Time	0	Card Insert Time	20 -	
Card Eject Option	🖲 General	C Manual Slot	C Stacker	
Load		Save	<u>о</u> к	
LCD Contract	[0] (0)	255) 0-1	1	
LCD Contrast		255) Get	Set	
Ribbon Sensor Value	0	White Get	t Blue Get	
Ribbon Sensor ADC			Set	
Status: Ready				

- Printing Speed Mono
- Auto ribbon Sync Color ribbon will be synchronized whenever lid is closed
- Card Ready Position -On initializing card can be situated inside printer or in feed hopper
- Card input option For J200i only, On initializing card can be situated inside printer or in feed slot.
- Card Eject time For the J200i, Card eject time for batch printing.
- Card Insert time For the J200i, Card insert time for batch printing.
- Card Ejection Option
- 1) General : from hopper to stacker (J200i) form manual slot to manual slot (J200i and J230i)
- 2) Manual Slot : Always out to manual slot (J230i)
- 3) Stacker : Always out to Stacker (J230i)
- 4) Rear : Always out to Rear (J200i and J230i)



Advanced Setting Tab

Advanced Setting		
TPH Setting Resistance 3000 + (2400~3600) Model © KEE © KPE © KPE2 Card Margin Setting X-Start 10 + X-End 10 + Y-Offset 16 + Pint 112 + Operate at 1/300 inch unit.	Intensity Vellow Panel Vellow Panel Gyan Panel Black(k) Panel Overlay Panel Black Ribbon Black Ribbon	- j [S - j [S - j [S - j [S - j [S - j [S
Default Load	j <u>S</u> ave	<u>o</u> ĸ
Status: Ready		

- TPH Resistance, Change the printhead resistance here
- Card Margin Setting, Offsets, default as above.
 (Note : Do not adjust these settings, they are critical to the printer operation)
- Intensity, Adjusts the darkness of the printed card.



- The "**About**" tab shows information about the driver, If you click on the picture, Card Printer website will open via your internet browser .



Network Configuration Setting (Option)

How to install a printer on a Network

Install Network driver "automatically or by manually clicking Install. exe" file.

"Tick Card Printer Driver box"

"Tick Network Software" box then "Click Next" button.





"Click the Agree option then click the Next button".





If you get a Windows Security Warning Message pop-up, "Click Allow Access" button.

BS Technologies J23	li Driver
	NBS Technologies J230i Driver Select a port to install.
<i>i</i>	C Local Port(USB)
	Network Printer 192.168.0.151 Search
	Input by User 000.000.000 Config
	USB Network
	IP Address
	Subnet Mask
	Gateway · · ·
	DHCP Mode Search Setting

- 6-1 If the printer is connected to your network and you are using DHCP mode, the IP address will automatically appear in the drop down box. If the IP address is correct, "**Click the Next**" button.
- 6-2 If IP address is not shown in the drop down box, tick input by user and then click Config button. The Configuration window will pop up and you can select the right MAC address on the board list on the left side. You can also check the information for the Network Setting, which is automatically assigned from your DHCP server. If the information is correct, please "Click the Setting" button at the bottom. If the setting is ok, the printer will "Re-boot automatically and Network setting complete" will pop up.

🐐 Network Configuratio	on - Version 2.0.0.1	×
Board List	F/W Version	02.31
4018A19A199100123	Network Setting	
	IP Address	192 . 168 . 0 . 151
	Subnet Mask	255 . 255 . 255 . 0
	Gateway	192 . 168 . 0 . 1
	Local Port	9200 (9200)
	DHCP Mode	
	USB Get Addr	ess USB Set Address
	Search	Setting Exit
Status Searching con	npleted	NBS Technologies

If the addresses are not correct, you can edit and then click setting to save.

<Network Configuration Window>



6-3 If you want to connect to the Network using USB, manually input the IP address, Subnet Mask, and Gateway and set DHCP mode.

NBS Technologies J230i Driver		×
	NBS Technologies J230i Driver Select a port to install. C Local Port(USB) CITUSB CITUSB Config Disput by User 000.000.0000 Config USB Network IP Address Subnet Mask	
	Gateway	
	Check items, and then dick Next.	
	Cancel << Prev Next >> Finish	

Card Printer S/W and Printer Driver Install window.



Please " Click Fin NBS Technologies J230i Driver	ish " for the completion of the	Print
	J230i Driver S/W and Printer Driver Install You have successfully completed the installation of the selected program. Click Finish to exit the program. Connect USB cable to the computer and printer, and turn on the card printer.	
	Cancel << Prev Next >> Finish	



8

Driver Install.

Network Configuration (Configure.exe)

If you want to set up the Network after printer installation, set up with Network Configuration.

Go to "Start -> All Programs -> POINTMAN -> Network -> Network Setting"

Network Setting–Auto Setting (DHCP supported)

Info) J200i and J230i - Any networks that have a TCP/IP network connection, can be configured in DHCP mode and the IP Address will be supplied by the network.

Search the connected Network Board by "Clicking Search".

IP Address	192 . 168 . 0 . 96
Subnet Mask	255 . 255 . 255 . 0
Gateway	192 . 168 . 0 . 1
Local Port	9200 (9200)
DHCP Mode	
USB Get Add	ress USB Set Address

Items Description

Board List – lists the searched network printers F/W Version – show F/W version of the selected network board IP Address – shows IP address of the selected network board Gateway – shows gateway address of the selected network board Local Port – sets a printing port through network printer. Please select J230i



Javelin J200i / J230i May2014 User Manual – V.1.5

DHCP Mode :	If the network system supports DHCP, IP is automatically set. If not, you should directly change address after being assigned. And then you set it in order to use network printer.
Search Button :	Search network of a card printer
Setting Button :	Save the changed network information. After changed, the card printer will be reset. You can use after 10 seconds.
Exit Button :	Exit the program



Select MAC address on "Board List".

Board List	F/W Version	02.26	
40:84:94:00:10:05	Network Setting		
	IP Address	192 . 168 . 0 .	96
	Subnet Mask	255 . 255 . 255 .	0
	Gateway	192 . 168 . 0 .	1
	Local Port	9200 (9200)	
	DHCP Mode		
	USB Get Add	USB Set Addres	s
	Search	Setting	Exit

3

 IP Address, Subnet Mask and Gateway are automatically assigned from DHCP server. However, you may input Subnet Mask and Gateway if you need to change them.

Board List	F/W Version	02.26	
40:8A:9A:00:10:05	Network Setting	,	
	IP Address	192 . 168 .	0.96
	Subnet Mask	255 . 255 . 2	55 . 0
	Gateway	192 . 168 .	0.1
	Local Port	9200 (92	100)
	DHCP Mode		
	USB Get Add	dress USB Set A	ddress
	Search	Setting	Exit



work Configurat	tion - Version 2.0.0.	
Board List	F/W Version	02.26
A:9A:00:10:05	Network Setting	9
	IP Address	192 . 168 . 0 . 96
	Subnet Mask	255 . 255 . 255 . 0
	Gateway	192 . 168 . 0 . 1
	Local Port	9200 (9200)
	DHCP Mode	
	USB Get Add	dress USB Set Address

"Select DHCP". (Please check DHCP box is checked)

Board List	F/W Version	02.26
3A:9A:00:10:05	Network Setting	
	IP Address	192 . 168 . 0 . 9
	Subnet Mask	255 . 255 . 255 . 0
	Gateway	192 . 168 . 0 . 1
	Local Port	9200 (9200)
	DHCP Mode	4
	USB Get Add	USB Set Address
	- Saarch	Catting Exi

"Click Setting" button, It takes approximately 30 seconds for this setting.
 If it is done setting, please reboot the printer in order to get a new IP address from the server.

Board List	F/W Version	02.26
A:9A:00:10:05	-Network Setting	,
	IP Address	192 . 168 . 0 . 9
	Subnet Mask	255 . 255 . 255 . 0
	Gateway	192 . 168 . 0 . 1
	Local Port	9200 (9200)
	DHCP Mode	
	USB Get Add	Iress USB Set Address
	Search	Setting Evi



Network setting completed window will appear, if setting is completed "Click OK".

Configure	
	Network setting completed.
	ОК

8 "Click Exit" to finish network setting or user can check the new setting by "Clicking the Search" button.

Board List	F/W Version	02.26
A:9A:00:10:05	-Network Setting	,
	IP Address	192 . 168 . 0 . 9
	Subnet Mask	255 . 255 . 255 . 0
	Gateway	192 . 168 . 0 . 1
	Local Port	9200 (9200)
	DHCP Mode	Q
	USB Get Add	Iress USB Set Address
	- Search	Setting Exi



Network Setting-Manual Setting

IP Address, Subnet Mask and Gateway should be assigned by Network administrator.

Search the connected Network Board by clicking "Search"

Select MAC address on Board List.

Input IP Address and Subnet Mask assigned by Network administrator.

Set Local Port for 9200 (this cannot be changed)

DHCP Mode box should not be checked. User should un-select this option when using manual setting.

Board List	F/W Version	02.26
8A:9A:00:10:05	Network Setting	
	IP Address	192 . 168 . 0 . 96
	Subnet Mask	255 . 255 . 255 . 0
	Gateway	192 . 168 . 0 . 1
	Local Port	9200 (9200)
	DHCP Mode	Ŷ
	USB Get Add	ress USB Set Address
	Search	Setting Exit

Click Setting button, It takes approximately 30 seconds for this setting. If it is set, the printer will re-boot automatically. "**Click Exit**" to finish network setting or user can check the new setting by "**Clicking the Search**" button.



Self-Check IP Address

Turn Power on the Printer

"Push the EJECT and RIBBON SET button together" at the same time until the LCD displays "User Mode". Please "Push RIBBON SET button" till the user mode menu comes up then "Push RIBBON SET button longer on 4. NETWORK CONFIG" to check IP Address.

"Push the EJECT button and RIBBON SET button together" when checking IP Address is done. LCD display would be backward.





Printer Operation

Printing a Card

Printing with the J200i / J230i is similar with any other printer in windows environment.

The printer driver software is installed on your computer (see Page 18~22)

The printer is connected to the power source and the computer (see Page 17)

The printer is selected by either the operating system or the appropriate application software program.

Printer properties are set (the factory default values will be appropriate for many applications).

Card printing is directed by the appropriate application software program

Setting printer properties

Printer properties can be set either at the operating system level or within the application software program used for printing cards.

Note : In the following description of setting printer properties, only those properties and options that are suitable for being set by the user are described. The user should not make selections or set parameters unless they are specifically described in this section.

Preference settings can configure the printer for landscape (wide) or portrait (tall) printing orientation, and allow the user to verify that the desired ribbon is installed in the printer.

Ribbon is selected via the output tab.

If the printer includes the optional magnetic card stripe encoder, encoding parameters and coercivity can be set.



Printing a sample Card

Sample card designs are installed with the printer driver. Sample cards require Microsoft Word or Microsoft Paint application software. The cards are accessed via the start menu.

First set the NBS TECHNOLOGIES JAVELIN J2xx as the default printer and then follow these steps to design and print your first card:

Launch Microsoft Word, Depending on your computer configuration this may be done by Double-clicking the windows start icon, selecting programs, and navigating to Microsoft Word.

フ

Go to the file menu and choose page setup.

Select the paper size tab, choose card, under orientation, select landscape

Select the margins tab, and set the top, bottom, left, and right margins to 0 (Zero)

Click OK to close the page setup window

The card appears on the screen

Design a card with both and colored text and with colored pictures.

Once you are ready to print, go to the file menu and select print

The printer will feed in a card and start printing (the data download time will vary depending on the complexity of the card design and the processing speed of your computer)

Once the printing job is complete, the card is ejected from the printer.



Printing a self-test card

Power on the printer (No PC connection necessary) Make sure a ribbon is loaded and a card is in the hopper or ready in single feed slot.

"Push the EJECT and RIBBON SET button together" at the same time until the LCD displays "User Mode"

Please "**Push RIBBON SET**" button till the user mode menu comes up then "**Push RIBBON SET button longer on 1. DIAGNOSIS**" to go into Self Print menu. If you want to select different part, please push RIBBON SET button shorter.



"Push RIBBON SET" button when "Self-Printing menu is selected".





A self-printing card is then printed; see below for samples of YMCKO and Mono ribbon Self-Printing cards. "**Self-Printing done**" will be displayed at LCD.



"**Push the EJECT button and RIBBON SET button together**" when Self-Printing is done. LCD display would be backward.



Printing via a PC Connection

Connect the USB to the PC and power on the printer. Ensure ribbon and cards are installed

Go to the "Driver and Printing preferences -> Control tab -> Direct printer control -> Click Self-printing"

Printer will display Self Printing. The printed test card will print and eject

Printing One Card at a Time



NOTE: The card feeder must be empty for printing single card using J230i printer.

Insert a card into the single card entry slot



Single Card Feeding Slot



Go to your ID card issuing S/W and print a card



Wait untill the printer has printed the card

Printer Operation

Instructions on Maintenance

Maintenance of Product

Choosing the right Cards

In order to get the best image quality and avoid Card Jam Error, please use the high quality grade PVC cards.

Card Size

- Standard (ISO CR80-ISO 7810) = 53.98mm W × 85.60 mm L (3.375" × 2.125")

Card Thickness

- Minimum 0.40mm.
- Standard 0.76mm
- Maximum 1.2mm

Card should be:

- Glossy white.
- Free from the dirt and grease.
- Free from surface contamination.
- Free from pits and bumps in the surface
- Free from burrs at the edge of the card
- Completely Flat

Card should not be

- Heavy damaged card
- Card with heavy dirt
- Card with scratch
- Bended or deformed card
- Already printed on with a Javelin Printer



How to Clean the printer

Dirt or embedded contamination on rollers may cause printer problems. Follow the recommended maintenance procedures below.

Cleaning the Inside Transport Rollers Using the Cleaning Card

Intermediate clean when changing the ribbon (1,000 pass) or each month, whichever occurs first.

CR-80 Cleaning Card or Long T-shaped Card

You can clean the inside of your card printer with using CR-80 Cleaning Card. You can clean the all rollers of your printer including feeder roller with long T-shaped Card.

How to insert a CR-80 Card: Using the single card feeding slot





Please insert a 1/3 of long T-shaped Card into printer brfore operating cleaning



Standalone Mode (No PC connection)

How to insert a long T-shaped Card : Using the auto card feeder

Turn off the printer, remove the cards and ribbon inside the printer and shut the printer lid.

With J230i, insert a CR-80 cleaning card into a single card feeding slot or a long T-shaped card into the card feeder. For J200i card printer, insert each the cleaning card into the front feeding slot.

Turn on the printer. After initializing, "**Push EJECT and RIBBON SET button together**" at the same time until the LCD displays "**USER MODE**"

Go to "Self-Print menu: USER MODE ->1.DIAGNOSIS -> 2.CLEAN MODE"





Javelin J200i / J230i May2014 User Manual – V.1.5

Push Ribbon Set button till the cleaning is started.

The CR-80 card (short card) will move backwards and forwards inside the printer 10 times and then ejected. If you use a long T-shaped card, the printer will automatically operate for 10 sec and then stop.



Cleaning



Push the eject button and Ribbon Set button together when cleaning completed. LCD display would be backward.

ſ	0 POWER			(70) RIBBON	PRINT
	ſ			N	J
		* CL CLEANI	.EAN MO ING	DDE *	
		2. BUT	TON: E	XIT	
	U		J230i		ſJ

Cleaning Completed

Leave the printer for 2-3minutes, until the alcohol cleaner evaporates.

Using driver menu (PC connection required)

Turn off the power and remove the cards and ribbon, shut the printer lid. Turn on the power.

Go to the "Driver -> Printing preferences -> Control tab -> Direct printer control -> Click self-Cleaning"

When front LED lights flashes, insert a CR-80 cleaning card into a single card feeding slot or a long T-shaped card into the card feeder. For J200i card printer, insert each the cleaning card into the front feeding slot.



The CR-80 card (short card) will move backwards and forwards inside the printer 10 times and then ejected. If you use a long T-shaped card, the printer will automatically operate for 10 sec and then stop the operation.

Leave for 2-3 minutes after card is ejected to allow alcohol to evaporate.





NOTE:

If you are using a Javelin J200i card printer, it is necessary to cut the long T-shape card where indicated on the diagram before inserting it into the printer.



Thermal Print Head Cleaning Pen and Alcohol Swab

You can remove ink, dirt and contaminations build up on the thermal printhead and sensors with a cleaning pen and a alcohol swab.

Turn off the printer and open top cover.

2 Use a thermal printhead pen or an alcohol swab on thermal printhead and sensors.

(Press the tube of alcohol swab to force the alcohol to impregnate the foam head)

Make sure the alcohol has evaporated before turning on the power, the thermal print head may be damaged if you used when wet.





Caution

Ensure that the head of the swab is pointed away from your face Use alcohol impregnated foam head to clean the TPH. Clean only the part below the two marked lines. Do not touch the head with your fingers.



Caution

You should recap of the cleaning pen for the reuse. Cleaning Pen is included only in the advanced cleaning kit. You can purchase a thermal printhead pen only from your reseller or the manufacturer, NBS.



Washing the Blue Cleaning Roller

The blue cleaning roller will remove dirt and contamination on cards. Wash the roller with every new ribbon or every load of new cards. (The blue cleaning roller is the basic accessory of your printer package.)

Remove a blue cleaning roller from the printer.

Wash the cleaning roller under running water.

When dry, place the blue cleaning roller in the printer.

Cleaning the printer regularly will improve printing and extend lifetime.



Troubleshooting

In case front LED keeps on flashing or always on all the time.

Description of Error code

a) Fatal Error

Code	Code Name	Description	Proper measures
10	TPH OPEN	- TPH Module Open in process of printing	- Check the status of TPH Module Open or Change TPH Open Checking Sensor.
11	TPH UP/Down Fail	- Fail in TPH Up or Down	- Check TPH Up / Down Module
12	Path Jam	- Card Jam on the Path	- Check the status of the Path or Jam on the path
13	TPH Temp Error	- Disorder in TPH temperature	- Check the temperature of working condition. Operating temp. : 0`C ~ 70`C
14	Ribbon Encoder Error	- Ribbon Broken or Ribbon End or Encoder Error	- Check the status of Ribbon and Ribbon Encoder
15	Media Error	- Error in Media	- Check the status of card (media) and Path Sensor
16	EEPROM Fail	- Error in EEPROM Read/Write	- Reboot or Change EEPROM.
17	IC Contact Module Error	- Error in the location of IC Contat Module	
50	Card Flipper Timer Out	- Error in Card Flipper Communication	 Power off -> Remove Cards (media) -> Reboot
51	Card Flipper Act Timeout	- Error in Card Flipper Communication	 Power off -> Remove Cards (media) -> Reboot
52	Card Flipper Home Position Error	-Error occurred in the Card Flipper Home Position	 Power off -> Remove Cards (media) -> Reboot
53	Card Flipper Turn Up Error	- Error in Card Flipper Turn Up	 Power off -> Remove Cards (media) -> Reboot
54	Card Flipper Card Input Time out	- Time out during entering the card into Card Flipper	 Power off -> Remove Cards (media) -> Reboot
55	Card Flipper Card Input Jam	- Jam occurred at the time of entering the card into Card Flipper	 Power off -> Remove Cards (media) -> Reboot
56	Card Flipper Card Jam	- Card Jam in the Card Flipper	 Power off -> Remove Cards (media) -> Reboot
57	Changer Card Exist	- Abnormal card is detected in the Changer	 Power off -> Remove Cards (media) -> Reboot



b) Warning

Code	Code Name	Description	Proper measures
20	Command Error	- Receiving command out of Format	- Send command corresponding to Format
21	Invalid Parameter	- Receiving parameter out of Format	- Set Parameter corresponding to Format
22	Time Out	- Command Timeout	- Send command corresponding to Format
23	IC Contact Error	- IC Contact is not working	- Check IC Contact Module
24	MS Encode Error	- Error in MS Encoding	- Check MS Feeding
25	MS Read Error	- Failure in reading 3 tracks all in MS all track reading	- Check MS Feeding
26	MS Read STX Error	- STX not found in MS reading	- Check MS Feeding
27	MS Read Parity Error	- Parity Error in MS reading	- Check MS Feeding
28	MS Read ETX Error	- ETX not found in MS reading	- Check MS Feeding
29	MS Read LRCM Error	- Discordant LRCM in MS reading	- Check MS Feeding
30	IC Module Timeout	- Failure in IC Module communication	- Check IFM B/D interface and IFM B/D.
31	RF Module Timeout	- Failure in RF Module communication	- Check RF B/D interface and RF B/D.
32	SAM Module Timeout	- Failure in SAM Module communication	- Check SAM B/D interface and SAM B/D.
33	Card Flipper Module Time out	- Failure in Card Flipper Module communication	- Check Card Flipper B/D interface and Card Flipper B/D.
34	Card Input Timeout	- Card Input Time Out	- Check Hopper. Insert Card within pertinent timing.
35	Near end of ribbon	- Near end of ribbon	- Considering exchanging Ribbon
36	Ribbon End	- Perceiving End Mark of YMCKO Ribbon	- Exchange Ribbon
38	Ribbon Error	- Abnormal Ribbon installed	- Check Ribbon and Install certificated Ribbon.

* If you still have issues after clearing the error, please contact your dealer for assistance.



Caution:

After the issue is resolved, use one of the methods below to resume normal printing.

Press eject button, then ribbon set button.
 Switch the printer off then on, press the ribbon set button.



Other Issues

Trouble	Solution
Found frequently ribbons cut in the front edge of card when	- Check if X-start coordinate value on the printer driver is set correctly.
printing	The recommendation of X-start coordination value is 14 ± 2
Found frequently ribbons cut in the front edge of card when	- Check if X-start coordinate value on the printer driver is set correctly.
printing	The recommendation of X-start coordination value is 14 ± 2
Printer not found in Card Designer or application software	 Check that printer driver is correctly installed. Check that communication cable is properly connected. Reboot your PC.
Other than power LED, 4 Front LEDs Continuosly flash in sequence	-Check with dealer for firmware download. -Download the latest version of firmware for the printer. -Perform install using firmware install program.



Ribbons

Color Ribbons

Color Ribbons	Specifications	J200i	J230i
ҮМСКО	200 Prints/Roll	0	0
1/2ҮМСКО	300 Prints/Roll	0	0
ҮМСКО-К	167 prints/Roll	0	0

Monochrome Ribbons

Ribbon Type	Specifications	J200i	J230i
Blue	1000 Prints/Roll	0	0
Black	1000 Prints/Roll	0	0
Red	1000 Prints/Roll	0	0
Green	1000 Prints/Roll	0	0
White	1000 Prints/Roll	0	0
Metallic Gold	1000 Prints/Roll	0	0
Metallic Silver	1000 Prints/Roll	0	0
KO (black and overlay)	500 Prints/Roll	0	0



Technical Specifications

Main Features

- Color & Monochrome printing
- Single Side or Dual Side printing
- Individual card slot for reprinting
- Easy to exchange ribbon & TPH
- Card design software "Javelin Designer software"

Specifications

Printer Standard Features

- Print Technology Direct-to-card Dye-sublimation I Resin thermal transfer

- Print Capabilities

One or Two Sided, edge-to-edge printing Full-color and monochrome printing capability Alphanumeric text, logos and digitized signatures

- **Print Resolution** 300 dpi (11.8 dpm), 16.7 Million Color

- Print Speed *Under specific condition
 Full-color Printing
 Single Side (YMCO) - up to 200 cards/hr.
 Single Side (YMCKO) -up to 170 cards/hr.
 Dual side (YMCKO-K) - up to 155 cards/hr.

Monochrome up to 550 cards/hr.

- Card Capacity

Automatic Feed 100-card input for 0.4mm -1.2mm cards 70-card output standard Manual Single Feed : 1-card input



Printer Option

- Magnetic Stripe Encoding : IS07811 (Track 1, 2, 3), Coercivity : HiCo /LoCo
- Smart Card Personalization : ISO, EMV- Contact Landing Type
- RF ID Card : Mifare , ISO 14443 A I B, ISO15693

Printer Specifications

- Dimensions

 $\begin{array}{l} J230i \; Single: 403(L) \times 192\; (W) \times 202\; (H)\; mm \\ Dual: \;\; 471(L) \times 192\; (W) \times 202\; (H)\; mm \\ J200i \; Single: 292(L) \times 192\; (W) \times 196\; (H)\; mm \\ Dual: \;\; 395(L) \times 192\; (W) \times 196\; (H)\; mm \\ \end{array}$

- Weight

J230i Single : 5.5kg, Dual : 6.5kg J200i Single : 4.5kg, Dual : 5.0kg

- AC Adaptor

MANUFACTURER : CHANNEL WELL TECHNOLOGY MODEL : KLP-060M INPUT : 100-240V ~ 50/60Hz 1.7A / OUTPUT: +24V 2.5A 60W

- Font : True Type Fonts via Window Drivers

- Memory: 128 MB RAM
- Interface : USB2.0 (High-Speed), RS-232 (Only Debugging), Built in 10/100 Ethernet

- Operating System for Printer Driver All 32-bit and 64-bit compatible : Window [®]8, Windows[®] 7, Windows Vista[®], XP, Windows 2008 Server, Windows 2003 Server

- Software : The Designer™



Regulatory

FCC



FCC IDENTIFIER : XTNTP9200 Name of Grantee : TIT ENG Co.,Ltd. Equipment Class : Part 15 Low Power Communication Device Transmitter Notes : ID Card Printer

FCC Statement

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

EU

This product is CE marked according to the provision of the R&TTE Directive (99/5/ EC). Here by T.I.T ENG Co.,Ltd. Declares that this product is in compliance with the essential requirement and other relevant provisions of Directive 1999/5/EC.



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RoHS



We hereby guarantee that all products that NBS will deliver directly or through any third party to you, do not contain Pb, Cd, Hg, CR+6, PBB, PBDE to the beat of our knowledge, Thereby our products are in accordance with RoHS2 Directive.

- Directive 2002/95/EC
- Directive 2005/717/EC
- Directive 2005/747/EC
- Directive 2011/65/EU





MEMO

MEMO



Website: <u>www.nbstech.com</u> Email: info@nbstech.com

For technical support please contact your NBS Dealer Partner or call: + 44 1483 563200 or <u>Email: technical.support@nbstech.com</u>

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