

681/682/781T/782 40-Column Printers

# Packing List

Check to ensure that you receive these items:

OR

OR



Intermec<sup>®</sup> 681 Printer p/n 320-082-00x



Intermec<sup>®</sup> 781T Printer p/n 320-085-00x

Bank Carl Same         Bank Carl Same           Bank Carl Same <td< th=""><th></th><th>simement insen</th></td<>		simement insen
Processing         Barting and	er Parret 1880-808 Campatan	Model Number: 6000
	responsible party for the compliance of this device in	Internet Technologies Corporation
<text><text><text><text><text><text></text></text></text></text></text></text>		550 Serrod Strut SE
<text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text>		(19) 369-3104
<text><section-header><section-header><section-header></section-header></section-header></section-header></text>	TION: See more paids instructions for handling, charging . Mill inters, first, or hotpery evaluation.	and replacing balleries. Failure to follow these instructions can result to
<text></text>	way Technologies Comparison. The same of anomalies of an	this product are sufficient to use accounties and periphetide approved by
<text><text><text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text></text></text>	way Tennadogies Corporation may void the compliance of a server.	his predect and way result in the loss of the outer authority to spectral the
Bern Bern Bern Bern Bern Bern Bern B	Nglid Embrino Complexes	
<text><text><text><text><text><text><text><text></text></text></text></text></text></text></text></text>	his reprint his here word and found to comply with the limits for a 's released in presents are or benefit interference a subdeplied on	Chen Ei digital device, personn to Part 15 of the PUE Ruba. These limits are designed a
<text><text><text><text><text><text></text></text></text></text></text></text>	hid and and in accordance with the instruction, may down harming into	and the sequence provide, the addate take because proof and the
<ul> <li>Series and Series an</li></ul>	in a particular incadurity. If this opphysics does down hamital scalar is the sam is meaninged to by its context the interference by and or some	even is taken in the case receptor, which can be determined by taking the spoperse with the influency measures
<ul> <li>Section of the section of the section</li></ul>	Newswer or reference the table of table vision receiving annual.	-
	Converting applying and an autor of a second different from the	it is which the radie or addivision measure a surround.
The Control of Co	Constributed and a supervised radia interview websiting for	rhdp.
	fina Digital Apportuna Compliance No Chiel D Sigital separation much all requirements of the Constant Inc.	erier teo - Causag Lasapanet Regulations
Al Operation of the second	rt appareil tamérique de la classe fit respecte textes les estgenees du Re	giorent sut le material trevailluer de Canada
Berner Bere	Spread Sportrum Transmittar Compliance	
	the device is also an elified to open in under their Mr. Solgary C. Section 1	5.MT of the PEEC rates for International Robierton Products. This contification instanton
A mean of the sector of the se	111-DP Covering rules affective June 2011. Knowy net once interface devices.	occusationing advisormentation devices and must script any inscrimence caused
<ul> <li>March March March</li></ul>	tion RSS 198 Spread Spreizum Transmitter Compileror	
Manuar 1. And a manufacture for a first state of the stat	petition is subject to the following two conductors: (3.5 this during a reveal that may assure underland operations of the device.	not cause maintenanes, and (2) this device more scrape any inconfigurate, including
The Description of the set of the	tion 1.4 Gife Spread Spectrum Radia Cartification	
The second secon	th device requires a mate transmembers in its smalled coully itselfs a b	siddig. (Tur's must store the longer)
All the second s	to forme take estregate one environment's net our occulosable.	and a fail a Paralelistic d'un blanners. (If that got l'athletight obtaine oute former.)
The second se	na Raspularenanta. 17 Maio Indiana 15 Milland Canada Ball Millananda dan dal dari salar	
<pre>system by the strategy system.</pre>	ing on this product has been cheapped to avery only provide the device of	topeness using an arrange memory of an engineer Topheologies Corporations. The active and Memory Indeededing. Use of an engineer after they fair function with the active
The second secon	ibiai by FCC and Initiatity Canada rates.	
And it is the an encourse the section of the sectio	east Nation	within the second is not working the second France state and an and
Angele Salabara Sarang Salaman Dan Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara Salabara S	is WE-S23 MSa Xernal Southern Transmission (WT) rulis asternet to	Period, and he females countries. An antication in his second as NV AT adds of
The Alexandrometer Marco Sector 2014 Marco Marco Sector 2014 Marco	in 902-928 ADNa Spread Spreature Transmission (557) cacito solutada ta 1. Tach, Germany, Pranov, Sprem, Norwey, Denmerk, Swedon, Fisland, K Isha comaining 902-002 MPAs SST rollics, shrafd for General 24d by the	s users of the product in Europe.
constraint and any and an an an and an an and an an and an	in WO-WALADA Spensors Transmission (55):11-1258 induced to 1269, Generating Partice, Spensor, Norwey, Danmell, Sweden, Haland, J. Baha commissing Hi2 2008 Hills SNT values, should be dompa2.264 by to interacting Hi2 2008 Hills SNT values.	s was of the product in Europe.
Increase Selection werg (and response), and a respective dependence touchest.     The selection of the	in Wei Wall, Mills Spend Deerstein Transmission (SST) exclusionation (IRA), Germany, Prann, Spent, Newsy, District's, Stradard, et al. 2016; Germany, Prann, Spent, Newsy, District's, Stradard, et al. 2016; Statistical Control (SST), Stradard, and Statistical international solutions, Statistical Matter in Distribution Warring Matters in Distribution and the regulation of the may be constrained to take of a solution.	s water of the product in Torspe. Have linear residence. The year poposal acidy, and is posted the explosion them popul
<ul> <li>Because contract particular sectors and an approximation of the particular sectors and approximation of the particular sectors approximation of the parting sectors approximation of the particular sectors approxima</li></ul>	vi VV VII ADA Sprand Speriture Transmission (257) (cdb activates (cdb, Garwany, Parwa, Speri, Nerwy, Chernell, Yoshon, Falana), In an constaining NEJ 2018 MHz SYT writes, shrately the designable by its same freedulation. Warning Matern vi Unionary unionic supply to explorement the may be consected to takept all a physical interage, db 1071, totatest explorement to industrian lasma.	s units of the product in Europe. New Silves or antibute: The year potential addity, and is posted that any lower from ever or data common lardy explorited to base the following variance large to be to the
Denominand web model as prime (big) a physical base. If the model is the model of the model of the model web physical base in the model of the model web physical base in the model b	4 YC 43M Alls Jennel (Sentern Transmissie) (257) recibile values of Link Generative Annual (Senter) (Senter), Senters, Hanka (J. Hanka Generative) (Senter), Senter (Senter), Senter (Senter), Hanka Generative) (Senter), Hanka G	s want of the product in Tarrays. New two or problem. For your proceed solary, and is produced the explorate them comp or data communication operators unlike the following wavelage have been mail.
<ul> <li>Annotation registrepresentation can calculate plan design an indexed device. These may be a service real indexed and device based plantage.</li> <li>Bit was not indexed and indexed plantage and a service of the plantage o</li></ul>	v V V V MARA Jamed Sperson Transmission (2011) relate values as (10), forenersy, https://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperson.org/ http://www.sperso	s were of the predict in Toroya. Inter Toroya statements for your process allow, and is proton to an update the com- of the communication opposite to this to define the statements the toroy tests and, with the to exclusion of the statements of the statements and the
wind aller de Kliphines s la est devantation la convertantestica de la convertantestica de la convertante de la converta	$\times$ TC 433. Mol. Spiratel (Segment Transmission (SS)) colds arbitrat to $(S,S)$ and $(S,S)$ denses, however, formation, there is the segment of the segment	s ware of the prediate to: Torryon here there are performed in the property and the performance in the comp of this communities on projection chains the definiting wavelege here types, tool, which is compared and the second scale of the antimude wavelege,
Les servicements du densité populagent à las despersent de par être braché aux lignes en systemes infederagent, Port note statuite paramente et para renters l'équipement de duit densité déclarage en pérsent pointes). NE 255 factions et doites électroniques pour réners l'équipement de déclaration de la commanne entre de la companya de la companya de la particulations aux lignes	$\psi$ is the transmission of the transmission o	wanter fill propriet in Enroyse. Here Twanser spectra program (Lako), tadi ta partie Hannappicae, have open militaria manunchale open statistic tadi and ta unaverage here (then that wantable for the statistic table of the antimate analyse, statistics that discussion). It is a antimate analyse, statistics for the statistica of discribe already burgitariang, tables
Control opportunity of the determining intervences in property protects, NC XXX bancher all objects electronispic of all philodelegan and lights Control and Opportunity and opportunity and the intervencement services where a deportunity.	4) 4) 4) 4) 4) 4) 4) 4) 4) 4) 4) 4) 4) 4	vanning fragmalers in troops. Hen theory many temperature of the second management to have open the second management of the table of the second management of the table with the second management of the second management of the table with the second management of the second management of the second with the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management of the second management
	4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	v vanish die personale ein terzen. Im Theorem 2000 The person provide allery, mit die persone finanzaignen ein hann operation terzen aller einer Vanishen ein der Schleichen Berneten einer einer einer einer einer einer einer einer einer werdende inderen aller einer bestecht. Hen einer Theorem Berneten einer einer Hen einer Theorem Berneten einer ei
(%)(0.06 Bronics B	et al. C. M. Marka, Space II Spectrum, Theorem and Prof. 1971; edite in Education Structures and Structures and Structures, Intel Struc	A wait of the predict to Entropy. Here Theorem property and the state of the state of the experiment of the methods in an empirication of the property of the table of the state of the state of the state without the table of the state of the entropy of the state

**Compliance Statement** 



Intermec<sup>®</sup> 682 Printer p/n 320-083-00x



Intermec<sup>®</sup> 782 Printer

p/n 320-084-00x with card reader p/n 320-084-003



**Product Warranty Card** 

### **Common Accessories Sold Separately**



AC Wall Charger

p/n 851-060-002 Order power cord under separate part number



**Cigarette Lighter Charger** p/n 852-043-001



Mobile Computer to PrinterCable

p/n 226-469-001 (RJ-45 connector on the printer end) p/n 321-578-001 (RJ-11 connector on the printer end)



## **Getting Started**

Here are the main components of the  $\mbox{Intermec}^{\mbox{$^{(8)}$}}$  681 and 682 printers.



682/782 Printer Components

### Charging the Lithium Ion Batteries

- ▶ The printer battery charges in about 3 hours.
- ▶ You can charge both the Mobile Computer and the Printer battery at the same time using the AC or Cigarette Lighter Charger. The time to charge both batteries is about 8 hours.



**Connecting Charger to Printers** 

	-	
LED	State of Charge	Action
Solid Red	In progress	Waiting for green LED
Green	Complete	Remove charger
Red Flash slow	Low temperature or battery is disconnected	Change environment or connect battery
Red Flash fast	High temperature	Change environment
Red/Orange slow	Low voltage	Wait for solid red
Red/Orange fast	High voltage	Wait for solid red
Orange flash slow	Timeout	Restart charge

#### LED Battery Indicators

Beep indicators		
Number of Beeps	Indicates	
One	<ul> <li>A) Printer has come out of sleep mode.</li> <li>B) Using the 781T with wireless printing, the radio when enabled but not put in use for a while beeps every five minutes to let you know it is enabled and also using battery life.</li> </ul>	
Two	Printer is out of paper.	
Three	Battery is low.	
One long beep	No program in printer, only boot code.	

# **Using Your Printer**

### Intermec <sup>®</sup>681 or 781T Printer

- 1. Attach the Mobile Computer to Printer cable. RJ-11 cable p/n 321-578-001, RJ-45 cable p/n 226-469-001.
- 2. As you use the printer the power comes from the battery in the printer. When the printer battery runs down the printer will not operate until the battery is recharged.



Attaching Computer to Printer Cable

### Intermec <sup>®</sup>682 or 782 Printer

- 1. Slide the mobile computer into the computer holder on your printer.
- 2. To remove computer from the printer, lift the computer up slightly to clear the computer securing tab and pull out.



Inserting and Removing Computer

### Using the Card Reader

Slide the card down into the reader with the magnetic tape to the right side. The magnetic card must meet the following ISO standards: 7810 (physical characteristics) 7811 (recording techniques) and 7816 (smart card standards)



Using the Card Reader

### Paper Changing



Installing new paper roll

## 781T Printer using Wireless Printing

#### IrDA/Wireless Mode

Your printer comes to you as an IrDA mode printer. To switch the mode to Wireless Printing it is necessary to toggle the mode via the self-test function of the printer.

Performing the self-test indicates the current mode of the printer. The mode displays on the ticket and an audible indication sounds. Each time the self-test function is performed the mode will toggle between wireless printing and IrDA modes.

#### 781T Preparation

1. Prepare the 781T by holding down the red button for about two seconds until you hear a short beep. This means the printer is ready to go and will be discoverable.

Any time you press and hold the button until it beeps, you will dump any active wireless printing sessions.

2. You are ready to print wireless transactions.

#### Printer Self-Test

- 1. Press the Paper Advance (red) button for at least five seconds to run a Self-Test. This means you will be holding it long enough to hear the *beep* and complete a *paper advance*. The self-test indicates the current state of your printer. Verify the current mode by reading the Power status line from the printout. When your printer is turned off, the radio is undiscoverable and unconnectable.
- 2. When shipping your printer via air freight, turn the wireless printing mode off and set to IRDA so that the radio is not powered

#### Why Printer Beeps Every 5 Minutes When Unconnected

As part of the implementation of the serial port service, this service refreshes itself every five minutes. That refresh sends a message to the printer, which then wakes up and causes the beep while resynchronizing with the serial port service. The printer then goes back to sleep based on its timeout. The beep can be turned off within the 'printer configuration utility'.

#### 700 Mobile Computer Preparation

- 1. On your mobile computer, tap the **Bluetooth**<sup>™</sup> icon located in the System tray on the **Today** screen.
- 2. Select Advanced Features>Bluetooth Devices.
- 3. From the **Tools** menu, select **Device Discovery**. You are presented with a couple of screens detailing the device discovery process.
- 4. You are now presented with a screen allowing you to modify the selection parameters. The default should work for your needs.
- 5. Click **Next** to proceed. A search for Bluetooth devices is performed followed by a look-up of discovered device names. The progress bars indicate the inquiry status.
- 6. A list of discovered devices displays.

If your remote wireless printer is discovered and presented in the list, select the **appropriate check box** and click **Next**.

If your remote device is not displayed, ensure that the device and its radio are switched ON. Click **Next**, then select **Finish**.

7. A progress bar appears indicating Service Directory is being performed.

If the discovery is successful a screen with *Successful discovery* displays. Click **Finish**. The remote device icon appears in the Bluetooth Devices Folder. Verify that this device was discovered by looking at the properties (**Device>Properties**).

If the Services tab lists *Portable Printer*, the service was discovered correctly.

If it doesn't, select the **Update** button on the *Services* tab to try to rediscover the services available (sometimes it will take a couple tries to correctly discover the services).

8. Click **Next** twice, all Wireless Printing devices within range will be discovered and displayed. You may have to repeat this step from time-to-time.

- 9. The **Bluetooth Serial Port** service is necessary for the virtual COM port to work. Choose COM6 in your application to use the Wireless Printing device you selected. Verify that this service was discovered by looking at the properties for this printer (**Device>Properties**).
- Verify that your Wireless Printing device is set as your "favorite" device. In the Bluetooth Devices Folder, select Tools>My Favorite. In the Favorites screen, ensure your printer shows as My Favorite Device.

\*Bluetooth is a trademark of Bluetooth SIG, Inc., U.S.A.

## **Battery Pack Removal**

Ensure that you have your ESD wrist strap connected to the ESD static free mat before placing your printer on the mat and begin removing the battery pack.

1. Remove the four screws securing the printer mechanism.



2. Lift the printer mechanism out of the case. One way to do this is to turn the printer case on its side and **gently** tap the bottom of the case to remove the board assembly. Be careful not to pull on the cluster of black wires running from the inside of the printer case to the printer mechanism assembly. 3. Set the printer assembly down to view the underside of printer mechanism and battery compartment.



4. Remove the four screws securing the battery cover. Avoid contact with the printer control board unless the board is grounded.



5. Gently disconnect the keyed battery pack connector (with the black and red wires) from the board assembly. You may find that you have to wiggle the connector a bit to remove it from the connector.



6. Once the cover is removed gently tap the cover in your hand or lift up on one of the battery retaining foam strips to separate the battery pack from the cover.



- 7. Insert the new battery pack into the battery cover.
- 8. Reinstall the battery cover.
- 9. Reconnect the keyed battery cable. Routing the battery pack wires is very important.
- ▶ The wires must not be pinched or crimped when reinserting the printer mechanism into the printer case.
- 10. Reposition the battery pack assembly on the printer mechanism.
- 11. Replace the four screws to secure the battery pack cover to the printer mechanism. Install the screws enough so they are fully seated but not any further or you will strip the screw holes in the printer case.
- 12. Carefully seat the printer in the case, you do not want to pinch the wires between the printer mechanism and the case.
- 13. Replace the four screws securing the printer mechanism to the printer case.
- 14. Charge the battery 2–3 hours using your AC adapter or cigarette lighter adapter.
- 15. Properly dispose of the used battery pack.

## **General Specifications**

#### Temperatures

Operating:	Thermal	-20 to +50° C (-4 to 122° F)		
	781T	0 to $+40^{\circ}$ C (32 to $+104^{\circ}$ F)		
	Dot Matrix	0 to +50° C (32 to 122° F)		
Storage:	Thermal	-30 to +65° C (-22 to +149° F)		
	Dot Matrix	-30 to +65° C (-22 to +149° F)		
Wireless Printing Radio Option:				
Operating:		0 to +40° C (32 to +104° F)		

Continuous Operation off charge: Thermal (over 8 hours) Dot Matrix (over 4 hours)

Charging: 2–3 hours quick charge using AC adapter or cigarette lighter adapter



**Corporate Headquarters** 6001 36th Avenue West Everett, Washington 98203 tel 425.348.2600 fax 425.355.9551 www.intermec.com

681/682/781T/782 40-Column Printers Quick Start Guide-November, 2002

