Quick Start Guide

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

Packing List

Check to ensure that you receive these items:

OR

Intermec® 681 Printer

p/n 320-082-00x



Intermec® 682 Printer

p/n 320-083-00x

OR

**Intermec® 781T Printer**

p/n 320-085-00x

Intermec® 782 Printer

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

Compliance Statement

Product Warranty Card

Common Accessories Sold Separately
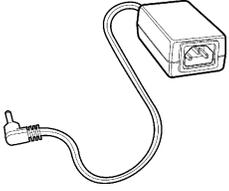
AC Wall Charger

p/n 851-060-002
Order power cord under
separate part number
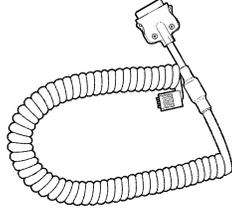
Mobile Computer to PrinterCable

p/n 226-469-001 (RJ-45 connector
on the printer end)
p/n 226-437-001 (RJ-11 connector
on the printer end)
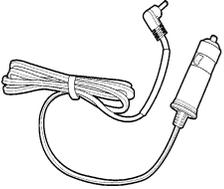
Cigarette Lighter Charger

p/n 852-043-001

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Getting Started

Here are the main components of the Intermec® 681 and 682 printers.

Cover Latch

Charge LED (red charging; green complete)

Paper Advance

Computer to Printer Jack

Charger Jack

Belt Clip (681)

Printer Case Open

Printer Case Closed
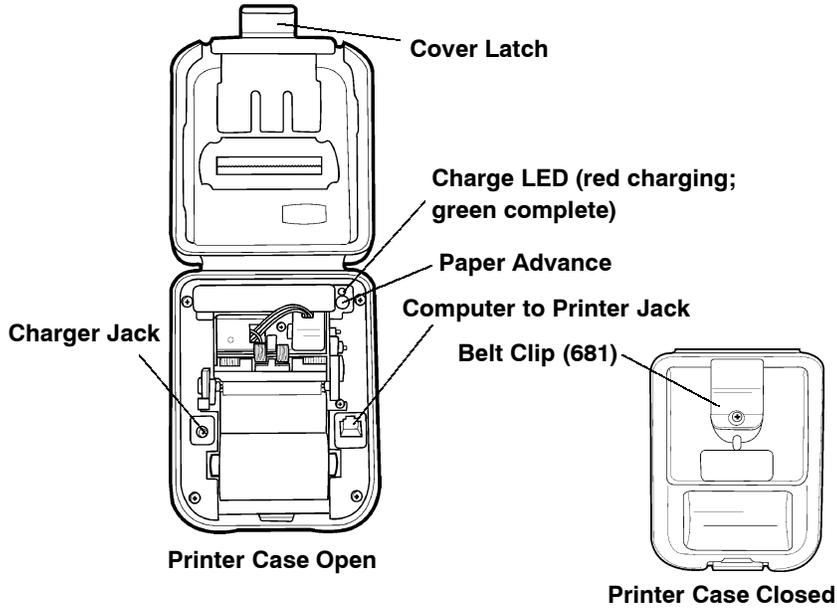
681/781T Printer Components

Terminal Holder

Computer Securing Tab

Ribbon (Dot Matrix)

Paper Advance

Charge LED (red charging; green complete)

Charger Jack
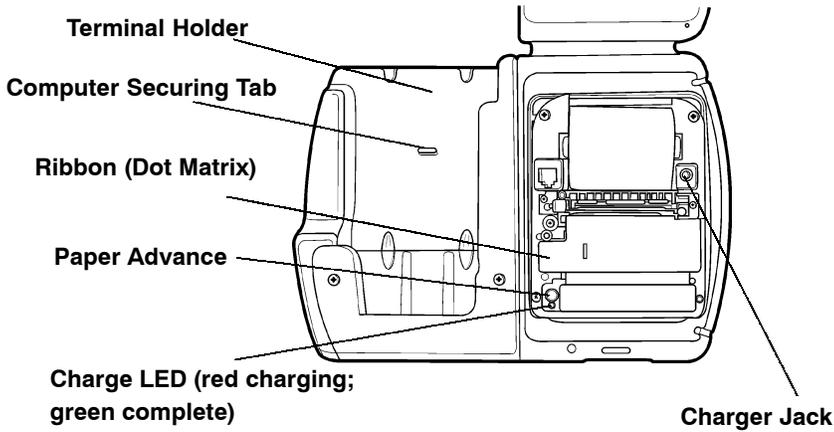
682/782 Printer Components

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.

Charger Jack
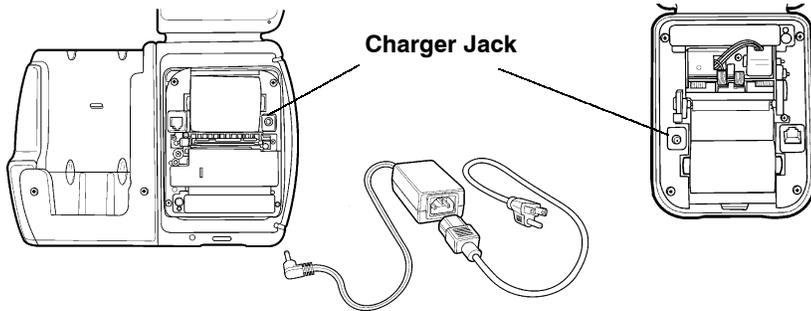
Connecting Charger to Printers

LED Battery Indicator*s*

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

Beep Indicators

Number of Beeps	Indicates
One	Printer has come out of sleep mode
Two	Printer is out of paper
Three	Battery is low
One long beep	No program in printer, only boot code

# *Using Your Printer*

Intermec ® 681 or 781T Printer

1. Attach the Mobile Computer to Printer cable. RJ-11 cable p/n 226-437-001, 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.

Computer to Printer Jack

Mobile Computer to Printer Cable
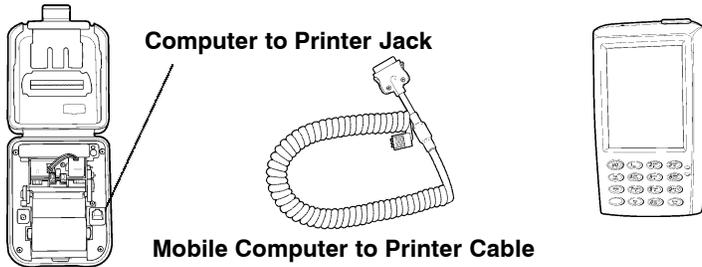
Attaching Computer to Printer Cable

Intermec ® 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
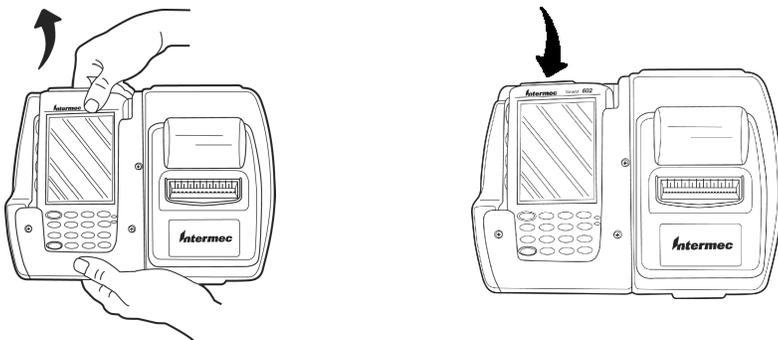
Using the Card Reader

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
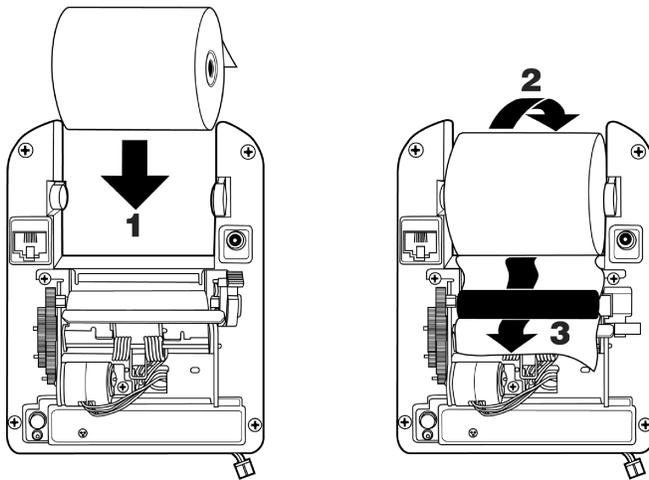
Installing new paper roll

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™** 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**).

10. 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.

General Specifications

Temperatures

Operating:	Thermal	–20 to +50° C (–4 to 122° F)
	781T	0 to +40° C (32 to +104° 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)

Drop Test: 6 foot to concrete

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

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