

# **Pocket LABELVIEW™**

**Wireless bar code label printing for  
Windows CE terminals and Pocket PCs**

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## **PRODUCT WHITE PAPER**



# Pocket LABELVIEW™

Pocket LABELVIEW™ is the Pocket PC version of the popular LABELVIEW™ label design and printing software. It is the most powerful, flexible, and easy-to-use portable label printing solution available today.

Pocket LABELVIEW allows you to take labels created in LABELVIEW™ Gold version 7.02 or higher, download them to your Windows® CE/Pocket PC device, and print them using a direct or network/wireless connection. Pocket LABELVIEW supports standard types of label content, including text, bar codes, graphics and more. Pocket LABELVIEW also allows you to access data from variable data sources including database, serialization and prompted fields for text and bar codes.

## Portable Label Printing Made Easy

*Print the quality,  
data-rich labels your  
business requires...*

Today's businesses demand easy-to-use, mobile solutions. With recent advances in technology, processes that were once limited to PCs on the shop floor are now possible from anywhere in the world using a device not much larger than a cell phone. One of these key processes, critical to companies in many industries, is bar code label printing.

Mobile solutions for label printing do exist on the market today, but they are very limited as to the type of data that can be used on a label design. For example, some packages do not support input from databases or commonly used functions like automatically calculating an expiration date. So although these solutions may work for printing simple, static label designs, they do not offer the level of functionality that is typically needed for companies in manufacturing, warehousing, and distribution who need to print more advanced bar code labels.

Enter Teklynx' Pocket LABELVIEW bar code label printing software for Windows CE/Pocket PC devices. Pocket LABELVIEW goes above and beyond the rest by allowing you to use a Windows CE/Pocket PC device to print the quality, data rich labels your business requires, without sacrificing the features you've come to rely on when printing labels from your PC.

## **Pocket LABELVIEW Overview**

### ***How it Works***

Design your labels in the LABELVIEW label design software and then simply transfer the label design files to the Windows CE/Pocket PC device. From there you can print wirelessly or via a wired connection to any thermal or thermal transfer printer natively supported by LABELVIEW printer drivers.

### ***Device Support***

Pocket LABELVIEW supports many standard CE-based portable terminals, giving you a variety of options for using the latest low-cost devices. Windows CE/Pocket PC devices offer extended networking and wireless capabilities, and are smaller and more portable than laptops or bulky printing terminals. In addition, using Pocket LABELVIEW with Windows CE/Pocket PC devices allows you to set up and edit your labels using a graphical display, making it an easy transition for those who are used to printing labels from their PC.

Pocket LABELVIEW supports the Pocket PC and Pocket PC 2000 platforms, and the StrongARM, MIPS, SH3 and X86 processors. The following are examples of Windows CE/Pocket PC devices that use a supported processor type:

Casio Cassiopeia E200	HHP Dolphin 7400
Casio E115	HHP Dolphin 7450
Casio E125	Intermec 5020
Casio EM500	Intermec P70
Casio EG800	Intermec 5023
Casio IT70	NEC MobilPro P300
Casio IT700	Symbol 2800
Compaq Aero1550	Symbol PPT2700
Compaq iPAQ	Symbol PPT8100
HHP Dolphin 7300	Toshiba e740

### ***Support for Variable Data***

The following types of variable data input are supported by Pocket LABELVIEW:

- "When Printed" fields, allowing you to prompt the user for the field value at print time
- Date and Time fields
- Formula fields to calculate expiration dates, box counts, etc.
- Database (dBase) download and support
- Advanced serialization (remembers last value of an incrementing field)

*Pocket LABELVIEW gives you a variety of options for using the latest low-cost Windows CE/Pocket PC devices*

*Pocket LABELVIEW allows you to access data from variable data sources*

The following table summarizes the variable data features supported by Pocket LABELVIEW.

<b>Feature</b>	<b>Description</b>	<b>Benefit</b>
When Printed Fields	Prompt the user for the field value at print time.	Useful for entering information that changes from label to label, such as the customer and purchase order data on a shipping label.
Date and Time Fields	Date and Time fields are retrieved from the device's system clock when the label is printed.	Allows easy time and date stamping. For example, you can print "Best Used By" labels or print a date/time stamp on labels to help track employee shift changes.
Formula Fields	Use mathematical calculations to manipulate and concatenate fields.	Useful for common label elements such as expiration dates and box counts (Box 1 of 10, Box 2 of 10, etc.)
Database Fields	Access data from dBase databases.	Provides a greater level of accuracy and efficiency for populating fields with data. Local storage of database files offers mobile convenience.
Advanced Serialization	A serial file is used to track the number of labels printed so that for the next print job, counting can continue with the next value in the series. Serial file values can be updated/reset using Pocket LABELVIEW.	Print sequential numbers such as serial numbers, shelf numbers, coupon/ticket numbers, etc.

## ***Label Download Options***

Pocket LABELVIEW offers two options for downloading labels to the Pocket PC—a standard download procedure and a more advanced wireless network download procedure. For both download options, all files associated with the label design (e.g., serial files, database files, etc.) are automatically downloaded along with the label files in the download process.

### **Standard Download**

The standard download procedure is used for most typical direct label printing applications. With this method you simply download the labels via LABELVIEW with your Pocket PC device in its cradle, and then LABELVIEW uses ActiveSync to transfer the files to your Pocket PC. For more detailed information on the steps involved with the standard download, see Step 2 of the *Pocket LABELVIEW Label Printing Example* section.

### **Wireless Network Download**

Pocket LABELVIEW allows downloading of label design files over a wireless network using standard Windows protocols. This is especially useful in situations where multiple devices are used for the same application and need to have the same label design for printing. The network download method simplifies adding a new device to the fleet and ensures that everyone using mobile devices has access to the latest label design formats.

To use this feature simply create and share a folder on a server where all of the label designs are stored, note the path to the folder, and create a user ID and password for access to this shared folder. Next, set up Pocket LABELVIEW to take advantage of this shared folder.

## ***Printing Options***

Pocket LABELVIEW offers a variety of printing options for printing labels to a printer on your desk or to a printer located across the globe. Pocket LABELVIEW offers the widest printer support in the industry, allowing you to print to over 600 native LABELVIEW drivers for thermal/thermal transfer printers.

**Note:** When selecting a printer in the LABELVIEW software, you must select a **native** printer driver (developed specifically for use with LABELVIEW), designated by a **(V)** appearing after the printer name.

## Direct Printing

Print from the Windows CE/Pocket PC device directly to a local printer.

## Network/Wireless Printing

Pocket LABELVIEW takes full advantage of the wireless capabilities of Windows CE and the Pocket PC. If you are running Pocket LABELVIEW on a wireless enabled Pocket PC, all you need is a wireless access point and you can connect the Pocket PC to the wired network. Once that connection is made you will be able to print to any TCP/IP addressable printer on the network.

The wireless standard supported today on the Pocket PC is the WiFi standard, or 802.11b. This standard is widely accepted and relatively inexpensive to implement.

In order to set up a wireless network printer to print your labels, you must first add the TCP/IP ports in Pocket LABELVIEW. This is easily accomplished using Pocket LABELVIEW's Configuration **TCP/IP Ports** settings.

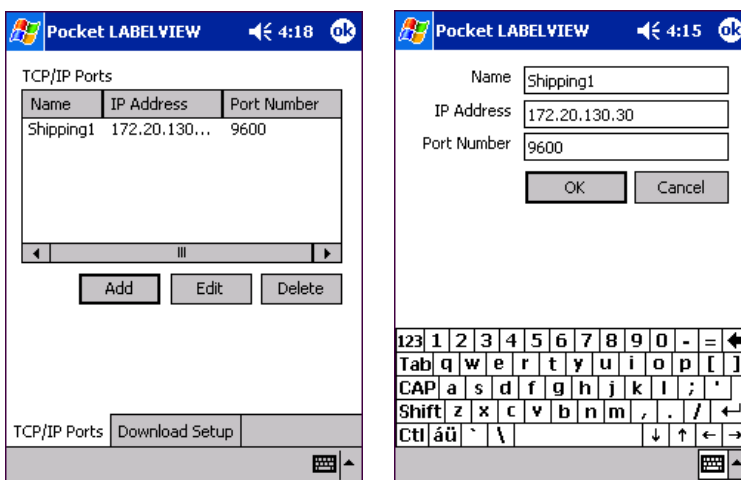


Figure 1: TCP/IP Ports settings

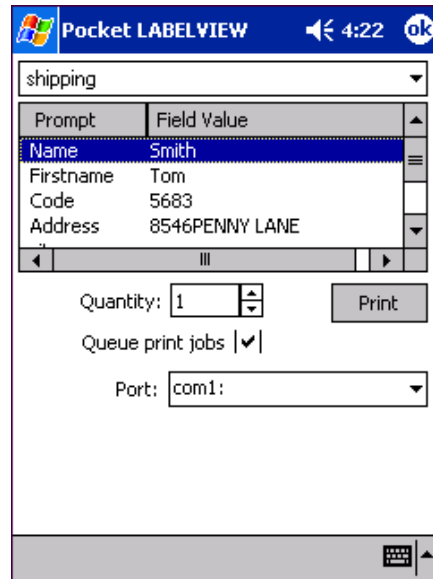
## Printing to a Queue

In addition to communicating in real-time via a wireless network connection, Pocket LABELVIEW can also be used in a batch mode.

There are many situations where it may be useful and even advantageous to take a mobile device out into the field to print labels in a batch mode and then print them all at a later time. An example might be the QA department of a manufacturing company where reworked parts need to be relabeled. The QA

technician could scan the original label of all the reworked parts and then print the whole batch of labels before re-labeling the entire lot.

To send print jobs to a queue, simply select the appropriate output port and click the **Queue print jobs** check box. Then click **Print** to save your print jobs to Pocket LABELVIEW's Data folder.



**Figure 2: Queue print jobs**

### **Automatic Printing Using Command Files**

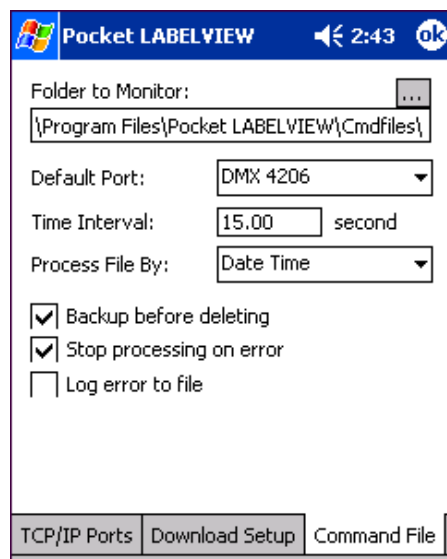
A command file is a simple instruction file that can be used to print labels automatically. You specify the name of a folder to be monitored, and the system checks for the existence of a command file (.cmd file) based on the time interval specified. When a command file is detected in the folder, the system processes the command files and prints the labels. All command files executed in the monitored folder are deleted after printing.

A command file contains commands that identify the name of the label, the printer to use, and the label quantity. Variable data can be provided in the command file, or it may be provided in a separate data file. A command file is an ASCII text file that can be created with any text editor. Command files have a .cmd file extension. A sample Pocket LABELVIEW command file might look like this:

```
LABELNAME=Shipping.lbl  
PRINTER="192.168.1.102,9100"  
TEXT1="xxxxxxxxxxx"  
TEXT2="yyyyyyyyyyy"  
BARCODE1="12345678"
```

Command files can also be used to pass information generated by other systems and possibly other computers, including mainframes or mini-computers. For example, an invoicing program could pass information into a command file, which would in turn print a label.

To set up a command file in Pocket LABELVIEW, you first need to specify the **Folder to Monitor** (the folder that will contain the command files). Set other command file options as desired, including the time interval at which the folder is monitored for changes, and whether the command files should be processed based on when the files are created (**Date Time** setting) or processed in alphabetical order (**File Name** setting).



**Figure 3: Command File Setup**

For more information on using command files to print labels automatically from Pocket LABELVIEW, see the Pocket LABELVIEW *Quick Start Guide* or Help.

## Pocket LABELVIEW Label Printing Example

### Step 1 – Install and Activate Pocket LABELVIEW

1. Open the Microsoft® ActiveSync® synchronization software (included with all Microsoft® Windows powered Pocket PCs). ActiveSync must be active on your computer in order to successfully install Pocket LABELVIEW.
2. In LABELVIEW Gold 7.02 or higher, select **Configuration** from the **Options** menu and click the **PRINTPAD / Pocket LABELVIEW** tab.
3. Under the Platform options, click **Pocket LABELVIEW** and then select your Windows CE/Pocket PC device from the **Model** list. If your exact model is not listed, try selecting the generic processor type (e.g., StrongARM, MIPS, or SH3) that applies to your model.
4. Click **Activate** to access the Pocket LABELVIEW Activation Manager.
5. Using the Activation Manager options, install the Pocket LABELVIEW application on your Windows CE/Pocket PC device and then activate it.

### Step 2 – Design the Label in LABELVIEW and Download it to the Windows CE/Pocket PC Device

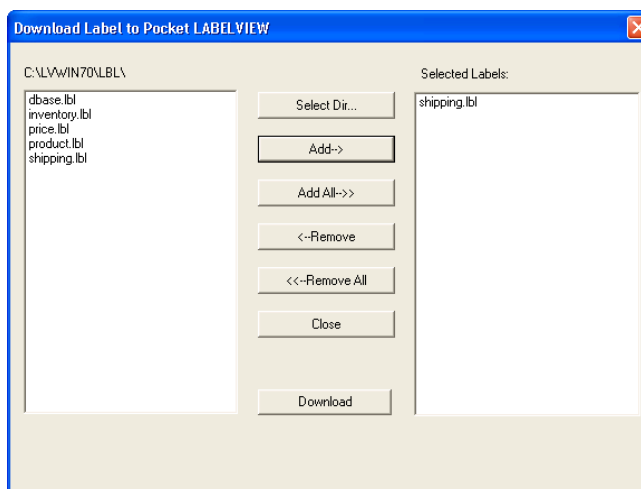
1. Using LABELVIEW's intuitive drag and drop interface, design a label containing different types of fields, like text, bar codes, or graphics.



Figure 4: LABELVIEW label design interface

**Note:** For information on designing labels, see the LABELVIEW *Quick Start Guide* or Help.

2. Set the label to print to a natively supported printer. You must select a **native** printer driver (developed specifically for use with LABELVIEW), designated by a **(V)** appearing after the printer name.
3. Save the label.
4. On the **File** menu, click **Download Label to Pocket LABELVIEW**. The Download Label dialog box appears.



**Figure 5: Download labels to Pocket LABELVIEW**

5. Click **Select Dir** and specify the directory where the label is saved.
6. Select the label to be downloaded and click **Add** to move it to the **Selected Labels** box.
7. Once all desired labels appear in the **Selected Labels** box, click **Download**.
8. Specify the directory in which you want to store the label and click **OK**.

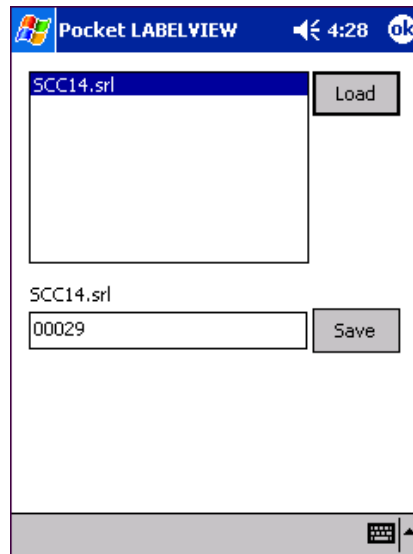
A Data subfolder will be created within the specified directory. The selected label and all associated files will be optimized for transfer and placed in this Data subfolder. The folder will act as a temporary storage bin for your label formats as they are automatically downloaded to your Windows CE/Pocket PC device.

### **Step 3 (Optional) – Update Serial File Value**

**Note:** For purposes of this example, we will assume we have a label that contains a serial number field coming from a serial (.srl) file.

**To edit a serial file so that it starts at a different number:**

1. On the Pocket LABELVIEW Main Menu, click **Update Serial #**. The serial file editing screen appears.

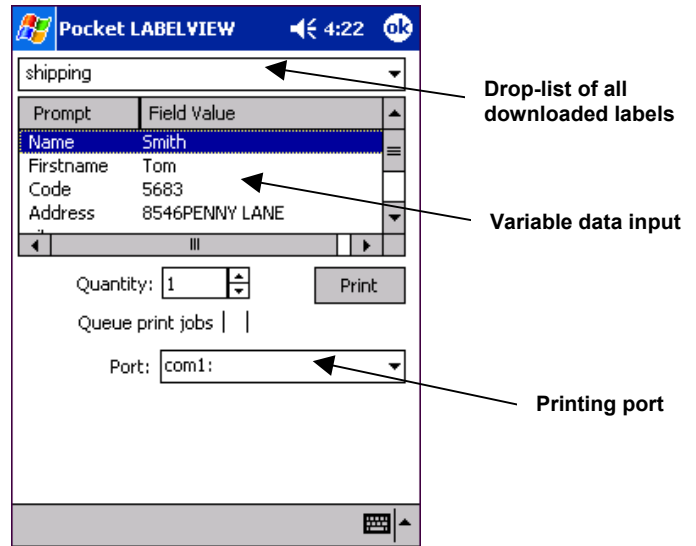


**Figure 6: Update serial number**

2. Highlight the serial file name and click **Load**.  
The current serial value will appear in the edit box.
3. To update the serial value, type the new value in the edit box and click the **Save** button.

### **Step 4 – Print Labels**

1. On the Pocket LABELVIEW Main Menu, click **Print Labels**. The Pocket LABELVIEW print settings appear.



**Figure 7: Print settings**

2. Select the label to print.  
If the label contains variable data fields, the associated prompts and field values will appear.
3. To print labels with variable data (When Printed or database fields), use the Windows CE/Pocket PC stylus to double-tap the row containing the field in which you want to input or edit data.
4. Use the print settings to set up your print job and click **Print** to print your labels.

## Summary

Pocket LABELVIEW bar code label printing software for Windows CE/Pocket PC devices allows you to take advantage of the small size and portability of CE-based portable terminals. With Pocket LABELVIEW you can print the quality, data-rich labels your business requires, without sacrificing the features you've come to rely on when printing labels from your PC.

Pocket LABELVIEW does this by allowing you to access data from variable data sources including database, serialization and prompted fields for text and bar codes. It also offers the widest range of thermal/thermal transfer printer support and supports wireless and network printing.

Finally, rest assured knowing that Pocket LABELVIEW works with LABELVIEW software – a proven bar code label design solution available in 18 languages and backed by worldwide service and support.

## **For More Information**

For more information on Pocket LABELVIEW and its functionality, visit the Teklynx web site at <http://www.teklynx.com/>.

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