Windows® CE Developer's Handbook™

Terence A. Goggin

Unparalleled Instruction and Advice from the Acclaimed "Dr. CE"

Put Your Windows Development Skills to Work on Windows CE

Featured on the CD:

- Sample Code
- Free ActiveX Control for CE
- Evaluation Software
- Links to Important CE Web Sites
- Electronic Reference to the CE API and the C Runtime Library Functions

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WINDOWS CE
Developer's Handbook

Here's the book that helps every Windows programmer become a Windows CE pro!

The Windows CE Developer's Handbook is for experienced Windows developers who are ready to apply their skills to the rapidly expanding world of Windows CE. Inside, a CE expert offers an unflinching look at the realities of CE programming, including constraints on memory and processing power, a proliferation of device-specific capabilities, and a reduced API and runtime library. Can you meet these challenges? This book ensures that you can, providing in-depth coverage of the toughest tasks you'll face:

- Porting existing C/MFC/VB applications to Windows CE
- Working around CE devices' varying input and display capabilities
- Getting desktop applications to talk to CE devices
- Equipping your CE applications with support for key communications technologies: serial I/O, PCMCIA, infrared, and Winsock
- Building custom RAPI applications
- Creating CE installation and help files
- Using CE databases with C and MFC
- Taking complete advantage of each hardware platform's features
- Getting your application "logo-approved"
- Recreating file access functions missing from stdio.h
- Mastering the latest CE API calls
- Optimizing your code for the low-resource environment of CE

Featured on the CD: The enclosed CD contains all the sample code referred to in the book, a free ActiveX control for Windows CE, and evaluation software, including CE development utilities. You'll also find links to CE vendors, useful CE development Web sites, and PDF versions of the full documentation of CE's API and C runtime library functions.

ABOUT THE AUTHOR

Terence "Dr. CE" Goggin, a recognized Windows CE expert, is the author of numerous books and articles on Windows programming and the Internet. He is currently a consultant working on cutting-edge Windows CE solutions.

Complete Coverage of Windows CE 2.0/2.01/2.11

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Special Appendices Illustrate and Explain Every API Call and C Runtime Library Function—the Ultimate CE Desktop Reference

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CE Devices

There are currently four distinct types of CE devices, each with its own purpose:

- Palm-size PC devices
- Handheld PC devices
- Handheld PC/Pro devices
- Devices that don't fall into the above categories

Palm-Size PC Devices

Palm-size PCs (or PPCs) are usually the smallest of the Windows CE devices, with approximately the same dimensions as a package of 3 × 5-inch index cards. They have a long, narrow, portrait-oriented display; no true keyboard; a touch screen; and integrated voice recording features. In addition, all PPC devices have a Compact Flash slot, which can be used to add additional memory or peripheral devices to the PPC.

The shape and portability of PPC devices make them ideal for applications that allow the user instant, "on the road" access to some specific kind of data, with a minimum of data entry. Figure 1.1 shows an example of a Palm-size PC device, the Casio E-11.

There are several features that make PPCs different from other CE devices:

- Display
- Lack of a true keyboard
- The Ink control
- The CapEdit control
- Voice recording and playback services

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