



Professional Windows Embedded Compact 7

By Samuel Phung, David Jones, Thierry Joubert

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Learn to program an array of customized devices and solutions

As a compact, highly efficient, scalable operating system, Windows Embedded Compact 7 (WEC7) is one of the best options for developing a new generation of network-enabled, media-rich, and service-oriented devices. This in-depth resource takes you through the benefits and capabilities of WEC7 so that you can start using this performance development platform today. Divided into several major sections, the book begins with an introduction and then moves on to coverage of OS design, application development, advanced application development, how to deploy WEC7 devices, and more.

- Examines the benefits of Windows Embedded Compact 7 (WEC7)
- Reviews the various elements of OS design, including configuring and building a customized OS runtime image, using debugging and remote tools, and more
- Explains how to develop native code applications with Visual Studio 2010, develop database applications with SQL server compact, and use the application deployment option
- Discusses how to deploy a WEC device, use the boot loader, launch WEC using BIOSLoader, and deploy a WEC power toy

If you're interested in learning more about embedded development or you're seeking a higher performance development platform, then this is the book for you.

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Bibliography

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Editorial Review

From the Back Cover

Learn to program an array of customized devices and solutions

Written by a team of experienced experts in the field, this in-depth resource provides you with invaluable information about the compact, scalable operating system, Windows Embedded Compact 7 (WEC7). The authors explore why Compact 7 is considered to be one of the best options for developing highly efficient, real-time applications using native code to access low-level system resources and hardware. After a general overview of the Windows Embedded Compact operating system, the authors walk you through OS design, debugging and debugging tools, application and driver development using Visual Studio, system registry, and much more. Finally, helpful sample projects and exercises aim to get you started performing a variety of development tasks immediately.

Professional Windows Embedded Compact 7:

- Covers development station preparation, including requirements and setup
- Walks you through the process of developing and deploying a WEC7 device
- Explores platform builder and OS design
- Discusses device driver, interrupts, stream interface drivers, and the board support package
- Examines extending low-level system access to managed code applications with messages
- Takes a look at the USB camera driver project on Codeplex, the WEC webcam project

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About the Author

Samuel Phung has more than 25 years of technology and Windows Embedded experience and has been a Windows Embedded MVP since 2005.

David Jones has more than 20 years of Embedded Systems and computing technologies experience and is a certified Windows Embedded trainer.

Thierry Joubert has been a Windows Embedded MVP since 2007 and is the CTO and co-founder of THEORIS, a French company offering embedded technologies.

Users Review

From reader reviews:

Leonard Bassett:

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