

Windows Embedded CE/Compact

Embedded Operation System

Windows Embedded Compact

Features

- Microsoft Silverlight-based UI development framework enables device manufacturers to differentiate with attractive, intuitive user interfaces
- Reduces the time and cost needed to deliver a rich experience with 3D transformation, pixel shader effects, and multi-touch support
- End-to-end development portfolio to help you easily configure, build, and ship new devices
- Integrated development emulator eliminates the need to use multiple tools from various sources
- Several hundred test components ready to use
- More source code access to help you debug, test, and make changes to an operating system image
- 10-year extended technical support
- Worldwide partner base and community collaboration
- Free evaluation kit to evaluate and test your system for 180 days

Introduction

Windows Embedded CE/Compact is a componentized, realtime, and small-footprint operating system with full access to the system's source code. Create devices with an immersive user interface, a rich browsing experience, and a unique connection to Windows PCs, servers, and services by using familiar tools such as Visual Studio.

Feature Details

Utilize Familiar Tools and High Performance Technologies

- Familiar Visual Studio and Expression Blend tools

Silverlight for Windows Embedded

- Silverlight allows developers and UI designers to rapidly create multi-touch user interfaces that are powered by the speed of native code. The UI is separated from the business logic which makes it easy to iterate on device and application UIs without affecting core development tasks.

Multi-touch and Gestures

New multi-touch support adds to existing plug-in engine, enabling intuitive, natural input capabilities and gesture-based interactions.

Media Player

Perform multiple actions beyond play, rewind, fast forward, pause, and stop. A new, powerful interface provides better web compatibility for Windows Embedded CE/Compact by supporting media player OCX when browsing sites.

Internet Explorer Embedded

- Integrated Flash in browser powers playback of Flash content, and Flash content can be run full-screen without browser UI.
- Customizable UI with Silverlight for Windows Embedded
- Panning and zooming optimized for devices

Office and PDF Viewers

Updated applications for Office and PDF viewing capabilities will enable users of CE/Compact devices to access their important information through devices beyond the phone and the PC.

Connectivity

- CE/Compact adds Connection Manager to the end to end connectivity infrastructure
- Enhanced connectivity to other devices, PCs, servers, and services via LAN, Wi-Fi, GPRS, Bluetooth or USB.

Connection Manager & Windows Device Stage

Connection Manager provides infrastructure technology to manage multiple network transports on the device. Use Windows Device Stage to allow users to easily transfer media and content between devices and PCs.

Remote Desktop Protocol

Enable Windows Embedded CE/Compact-based thin clients to connect, using the latest versions of Windows Server remote computing technologies with the Remote Desktop Protocol.

Specifications and Versions

Windows Embedded Compact 2013

Windows Embedded Compact 2013 is Microsoft's platform for small-footprint devices that need hard, real-time performance and silicon flexibility with ARM and x86. The operating system helps device manufacturers in the retail, healthcare, and manufacturing industries to bring intelligent systems to market—systems that stand out with attractive, intuitive user experiences, and seamless connections to cloud services. Windows Embedded Compact 2013-based industry devices are a critical part of intelligent system solutions, and are built on tools and technologies that you can trust every step of the way.

Windows Embedded Compact 7

Windows® Embedded Compact 7 is the next generation of Windows Embedded CE. Device manufacturers can use Microsoft's familiar tools to build the next generation of embedded devices with attractive, intuitive user interfaces, real browsing using Windows Internet Explorer® with Flash 10.1, and connections to peripherals, Windows PCs, servers, and networks.

Windows Embedded CE 6.0

Designed specifically for embedded developers who need to bring new devices to market quickly and at the lowest possible cost, Windows Embedded CE 6.0 provides a 32-bit native, hard real-time, small footprint operating system, a re-designed kernel, and powerful embedded development tools. CE 6.0 interoperates with industry standards and existing Microsoft desktop and server technologies to help you create differentiated devices for a broad range of device categories, from commercial devices to consumer electronics products.

Ordering Information

CE Core

Advantech PN	MS PN	Item Name	End of Support	End of License
968TCE42C0	884-00276	Windows CE Core 4.2 EMB ESD OEI Core Runtime	2013/7/9	2018/6/1
968TCE50C0	884-00304	Windows CE Core 5.0 EMB ESD OEI Core Runtime	2014/10/14	2019/8/31
968TCE60C0	ZH5-00019	Windows CE Core 6.0 EMB ESD OEI Core Runtime	2018/4/10	2022/2/28
968TWEC13E	T9W-00003	Windows Emb Compact 2013 EMD ESD OEI (Entry) Runtime	2023/10/10	2028/5/31

CE Pro

Advantech PN	MS PN	Item Name	End of Support	End of License
968TCE42P0	884-00277	Windows CE 4.2 EMB ESD OEI Pro Runtime	2013/7/9	2018/6/1
968TCE50P0	884-00306	Windows CE 5.0 EMB ESD OEI Pro Runtime	2014/10/14	2019/8/31
968TCE60P0	884-00341	Windows CE 6.0 EMB ESD OEI Pro Runtime	2018/4/10	2022/2/28
968TWEC7P0	884-00364	Windows Emb Compact 7 EMB ESD OEI (C7P) Runtime	2021/4/13	2026/2/28

Toolkit

Advantech PN	MS PN	Item Name	End of Support	End of License
968TCE42PB	814-00269	WinCE Platform Builder 4.2 EMB English ESD OEI CD	2013/7/9	2018/6/1
968TCE50PB	814-00290	WinCE Platform Builder 5.0 EMB English ESD OEI CD	2014/10/14	2019/8/31
968TCE6PB3	814-00336	WinCE Platform Builder 6.0w/R3 EMB English ESD OEI DVD	2018/4/10	2022/2/28
968TC7PBE0	814-00345	Win Emb Platform Builder 7 EMB English ESD OEI DVD	2021/4/13	2026/2/28