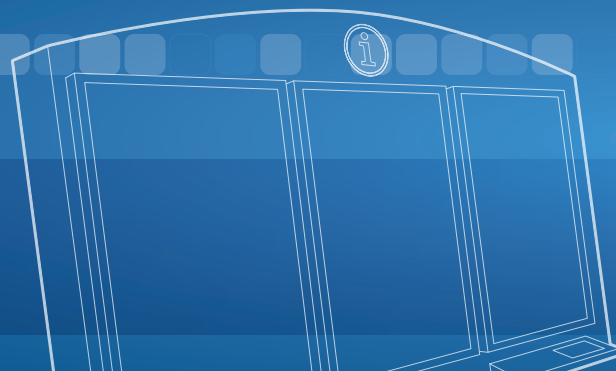


AVNET EMBEDDED SPECIFICATION.

Datasheet Windows[®] Embedded Standard 7



Windows Embedded Standard 7



→ Windows Embedded Standard 7 brings the technology and rich user experiences of Windows 7 to Enterprise and media centric devices. Its enhanced features and familiar tools help OEMs make the journey from concept to creation faster than ever. Visit www.windowseembedded.com/standard.



High performance embedded solutions share a high confidence platform

Windows® Embedded Standard 7 provides OEMs with a powerful, highly secure, and flexible platform on which to build innovative products. Enhanced features and tools significantly reduce cost and accelerate time-to-market.

EMBEDDED TOOLS

Windows Embedded Standard 7 includes an easy-to-use Image Build Wizard (IBW) and other embedded tools which speed up image development and prototyping, allowing developers to innovate on new hardware configurations.

FLEXIBLE OPTIONS

Windows Embedded Standard 7 includes more than 150 intuitive feature packages and 500 driver sets—everything developers need to build fixed function devices.

SIMPLE INTEGRATION

IPv6 support, including a new TCP/IP stack, and added security through Network Access Protection (NAP) enable easy integration into the enterprise network.

A WORLD OF SUPPORT

OEMs will benefit from the vibrant development and partner ecosystem of Microsoft® and Windows Embedded. These industry-leading IHVs, ISVs, and distributors can help to ensure the timely delivery and marketability of embedded devices.

In addition, Windows Embedded Standard 7 includes built-in navigation to technical resources.

Smart, compelling devices that offer endless possibilities

Windows Embedded Standard 7 gives embedded devices the power of Windows 7 technologies and OEMs the ability to create exceptional user experiences.

RICH MEDIA

The addition of Internet Explorer 8 and Windows Media Player 12 brings the Web capabilities and multimedia experiences of the desktop to embedded devices.

COMPELLING EXPERIENCES

Support for 64-bit hardware and high end graphics combined with multi-touch gestures and context aware applications, make it possible for developers to create immersive user interfaces.

INNOVATIVE FEATURES

“Green” smart power management, custom shell, custom branding support, and lock down features like AppLocker™ and BitLocker® are all built-in features.

Windows Connected

The robust networking, remote management capabilities, and interoperability of Windows Embedded Standard 7 make it easy to seamlessly connect to other devices, servers, and services. Powerful new features like **Remote Desktop Protocol 7.0**, **DirectAccess**, and **BranchCache™** take embedded device connectivity to a new level.

→ Learn more about the Windows Embedded family at www.windowseembedded.com

Windows Embedded Standard 7 Features at a Glance

High-Confidence Platform

Focus on core competencies to deliver a differentiated offering

- Differentiate product offerings based on hardware/software/applications instead of platform development

Reduce development costs using embedded features

- Features such as VHD boot, Hibernate Once Resume Many (HORM), custom shell support, OEM branding experience, notification and popup suppression
- Lockdown features like Enhanced Write Filter, File Based Write Filter, AppLocker and BitLocker

Increase flexibility to build special purpose devices

- Flexibility to configure and assemble the image on the device
- Add features, drivers and language packs either directly to the device or to the image on the developer machine

Integrate into secure enterprise networks

- Full certified support for IPv6 in addition to IPv4 support
- Latest wireless networking and added security through Network Access Protection (NAP)

Take advantage of embedded technical resources during development

- Large, active developer and partner community with deep expertise on Windows Embedded Standard technology

Use industry standard tools for embedded application development

- Compatibility with Windows tools and resources gives OEMs access to the skills of the Windows developer community

Endless Possibilities

Provide rich immersive user experiences on embedded devices

- A more compelling experience on an embedded device with multi-gesture touch interfaces and context aware applications

Build premium devices that utilize high end hardware capabilities

- Support for 64 bit (x64) CPUs in addition to the 32bit (x86) to build high end embedded systems
- Intuitive and innovative Aero interface, Windows Flip 3D navigation, improved task bar functionality and jump lists.

Customize to support customer requirements

- Custom shell support to include customer branding and unique user experiences
- Easily use a broad range of applications and connect to specific sets of peripherals

Target new markets with innovative solutions

- Security features like BitLocker, BitLocker-to-go and AppLocker provides ability for OEMs to build additional security into embedded systems

Develop "green" solutions through smart power management

- Offers smart power management APIs, for developers to build applications that can improve the idle time on the CPU

Extend web capabilities to embedded device through Windows cloud services

- Provides increased security while connecting to the Internet through IE 8 protected mode and phishing filter

Windows Connected

Access latest Windows desktop technology innovations

- Including secure browser; Internet Explorer 8.0, enhanced media experience; Windows Media Player 12, improved client server experience; Remote Desktop Protocol 7.0 and the latest .NET Framework

Increase Interoperability and seamless experience for client server scenarios

- Access a server based infrastructure like Microsoft Terminal Services or Virtual Desktop Infrastructure (VDI) on a hypervisor

Connect devices into existing enterprise desktop infrastructure

- Embedded devices can be added to domains and allow Active Directory group policies to be applied
- Microsoft System Center Configuration Manager (SCCM) and other third party management software allows OEMs to reuse existing investments
- Improved Enterprise remote connectivity through features like DirectAccess and BranchCache

Cut complexity and costs from deployment and servicing

- Choose from any of the Windows deployment tools like Windows Deployment Services, Sysprep, ImageX, or boot from USB
- Choose from direct OEM servicing or take advantage of automatic servicing options like Windows Update or Windows Server Update Services



Windows Embedded products are covered by an industry leading 10-year support program **plus a product availability of 15 years.**

→ Windows Embedded Standard 7 is available in two SKUs. To find out which is best for your device, please visit www.windowsembedded.com/standard

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