



# WINDOWS 7

*In theory, there is no difference between theory  
and practice. But, in practice, there is.*

*—Jan L.A. van de Snepscheut*

*It's all very well in practice,  
but it will never work in theory.*  
*—anonymous management maxim*

Dr Nenad Stefanović



# Windows 7 Editions

- **Windows 7 Home Premium**-This edition is designed for the average home computer user. It contains an impressive set of features, including the following:

- The stunning Aero user interface, which provides an enhanced visual experience with features such as transparent window frames, extended color schemes, live preview thumbnails, and artistic desktop decoration
- New Aero-driven window-management techniques such as Aero Peek, which turns open windows temporarily invisible so you can see the computer desktop, Aero Shake, which minimizes windows you're not working with so you can concentrate on a specific task, and Snap.
- New navigation features, including libraries and jump lists
- Support for simplified home networking with homegroups, and for the secure sharing of files, printers, and media among multiple computers
- Windows Search technology, with which you can quickly locate files, programs, and messages on your computer
- Desktop gadgets and familiar applications such as the Calculator, Paint, WordPad, Windows Fax And Scan, and Windows Media Player 12
- Windows Media Center, with which you can watch television programs (if your system includes a TV tuner) and DVD movies, display and manage pictures, and listen to music from multiple sources
- Security features, including User Account Control (UAC), Action Center, Windows Update, Windows Defender, Windows Firewall, and Parental Controls
- Backup for system images and files, and the Previous Versions and System
- Repair Disc features
- Support for 32-bit and 64-bit hardware



# Windows 7 Editions

- **Windows 7 Professional** This edition is designed for the average business user. It includes all the features of Windows 7 Home Premium plus support for network domains, automatic backups to network locations, and Remote Desktop. It also includes Windows XP Mode, which you can use to run older programs in a virtual Windows XP session on your Windows 7 computer (if your hardware supports virtualization).
- **Windows 7 Ultimate** This edition is designed for the user who wants to have all the capabilities of Windows 7 available outside of an enterprise installation. It includes all the features of Windows 7 Professional, plus Windows BitLocker Drive Encryption, BitLocker To Go drive, and support for 35 languages.



# Windows 7 Editions

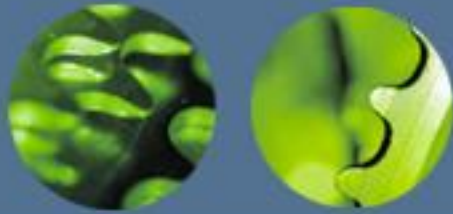
- **Windows 7 Starter** Designed specifically for small portable computers, such as netbooks and mini notebooks. This edition includes all the core Windows 7 features but, by eliminating some of the flashy Aero interface features, it requires less memory.
- **Windows 7 Enterprise** Available only to Microsoft Volume Licensing customers. This edition includes every Windows 7 feature, as well as support for the Microsoft Desktop Optimization Pack (a tool used for central management of computers in very large organizations).
- **Windows 7 Home Basic** Available only in “emerging markets” such as Mexico, India, and the People’s Republic of China, and not in countries defined by the World Bank as having high-income economies, such as Canada, Denmark, Sweden, the United Kingdom, and the United States. This edition includes most of the core Windows 7 features, including a subset of the Aero interface features.



# Windows 7 Editions

Windows 7 operating system (OS) is packed with new features especially in the Enterprise and Ultimate versions. Such as:

- DirectAccess: Gives mobile users seamless access to corporate networks without a need to VPN.
- BranchCache: Decreases the time branch office users spend waiting to download files across the network.
- Federated Search: Find information in remote repositories, including SharePoint sites, and many others with a new simple user interface.
- BitLocker and BitLocker To Go: Helps to protect data on PCs and removable drives, with manageability to enforce encryption and backup of recovery keys.
- AppLocker: Specifies what software is allowed to run on a user's PCs through centrally managed but flexible Group Policies.
- Virtual desktop infrastructure (VDI) optimizations: Gives the user the ability to reuse virtual hard drive (VHD) images to boot a physical PC.
- Disk Imaging: Allows you to create a single OS image for deployment to users worldwide.



## Choose the Windows 7 edition that is best for you



Windows 7  
Home Premium



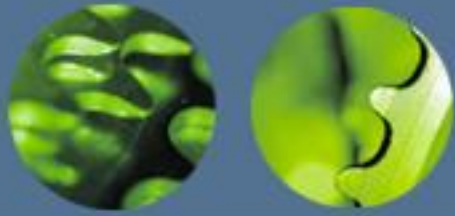
Windows 7  
Professional



Windows 7  
Ultimate

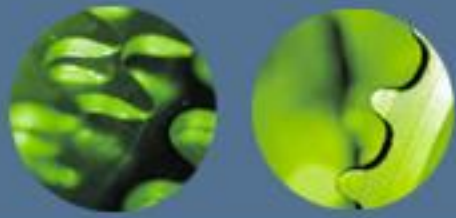
### Features

Estimated Retail Pricing (ERP).	Pre-order \$119.99	Pre-order \$199.99	Pre-order \$219.99
Make the things you do every day easier with improved desktop navigation.	✓	✓	✓
Start programs faster and more easily, and quickly find the documents you use most often.	✓	✓	✓
Make your web experience faster, easier and safer than ever with Internet Explorer 8.	✓	✓	✓
Watch, pause, rewind, and record TV on your PC.	✓	✓	✓
Easily create a home network and connect your PCs to a printer with HomeGroup.	✓	✓	✓
Run many Windows XP productivity programs in Windows XP Mode.		✓	✓
Connect to company networks easily and more securely with Domain Join.		✓	✓
In addition to full-system Backup and Restore found in all editions, you can back up to a home or business network.		✓	✓
Help protect data on your PC and portable storage devices against loss or theft with BitLocker.			✓
Work in the language of your choice and switch between any of 35 languages.			✓



# Minimum System Requirements

- To run Windows 7, including the Aero desktop experience features, your computer needs to meet the following minimum requirements:
  - 1 gigahertz (GHz) or faster 32-bit (x86) or 64-bit (x64) processor
  - 1 gigabyte (GB) of system memory (RAM) for 32-bit systems; 2 GB for 64-bit systems
  - 16 GB of available hard disk drive space for 32-bit systems; 20 GB for 64-bit systems
  - Support for DirectX 9 graphics with Windows Display Driver Model (WDDM) 1.0 or higher driver and 128 megabytes (MB) memory (to enable the Aero theme)
  - Internal or external DVD drive
  - Monitor with minimum 1024 × 768 screen resolution
  - Keyboard and mouse or compatible pointing device
  - Internet connection for product activation, accessing online Help topics, and any other Internet-dependent processes



# Improvements over Vista

- **Improved security**
- Windows 7 addresses the issue with a number of security upgrades. Microsoft has added the BitLocker full-volume encryption feature that came out with Vista.
- The Windows 7 version still uses a 128-bit or 256-bit AES encryption algorithm, but is now more flexible and simplifies drive encryption by automatically creating hidden boot partitions. The result, users no longer need to repartition their drives after installation. And where Vista users required a unique recovery key for each protected volume, Windows 7 users only need a single encryption key. A new feature called “BitLocker To Go” lets users encrypt removable storage devices with a password or a digital certificate.





# Improvements over Vista

- **AppLocker** - This new feature is a control policy that allows administrators to precisely spell out what applications users can run on their desktops.
- **Active Firewall Policies** allows IT professionals to create multiple sets of rules for remote and desktop employees.
- **DirectAccess** A feature provides a secure way to manage and update individual PCs remotely. It uses IPv6 and IPSec protocols to create a secure, two-way connection from a remote user's PC to the corporate network.
- **Improved Windows Search** - Additional improvements were the seek-and-find capabilities with Federated Search, which combines desktop, SharePoint, and Internet search methods and allows users to scan external hard drives, networked PCs, and even remote data sources.
- **Upgraded Windows Recovery Environment** - The new upgrade allows users to perform a range of system and data recovery functions, including checking for defective memory, repairing boot-level startup issues, returning the system to earlier configurations, and other features.
- **AeroSnap Desktop Feature** - This is a new feature of Windows desktop. If you pull a window to either edge of the desktop, it automatically makes each screen half the screen and compares the two windows side by side.



# Improvements over Vista

- **AeroPeek Desktop Feature**
- **Improved Backup Utility**
- **Windows XP Mode and Windows Virtual PC**
- **Speed, lower resource utilization and invisible open windows**



# Upgrade Paths

- When it comes down to Vista-to-Windows 7 upgrades, “Cross-architecture inplace upgrades (for example, x86 to x64) are not supported.
- Cross-language inplace upgrades (for example, en-us to de-de) are not supported.

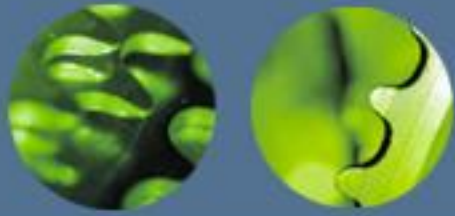
You can convert a computer to the Windows 7 operating system by using either of the following methods:

- Upgrade an existing computer that runs Windows Vista to Windows 7. Upgrading retains your installed programs and stored files.
- Perform a clean installation of Windows 7 on a computer that runs Windows Vista, Windows XP, or another operating system. A clean installation removes all installed programs, files, and settings.



# Upgrade Paths

- No upgrade path for Windows Vista Starter (SP1, SP2), not even to Windows 7 Starter.
- Windows Vista Home Basic (SP1, SP2) 32-bit (x86) and 64-bit (x64) can be upgraded to Windows 7 Home Basic, Home Premium and Ultimate 32-bit (x86) and 64-bit (x64).
- Windows Vista Home Premium (SP1, SP2) 32-bit (x86) and 64-bit (x64) can be upgraded to Windows 7 Home Premium and Ultimate 32-bit (x86) and 64-bit (x64).
- Windows Vista Business (SP1, SP2) 32-bit (x86) and 64-bit (x64) can be upgraded to Windows 7 Professional, Enterprise and Ultimate 32-bit (x86) and 64-bit (x64);
- Windows Vista Enterprise (SP1, SP2) 32-bit (x86) and 64-bit (x64) can be upgraded to Windows 7 Enterprise 32-bit (x86) and 64-bit (x64);
- Windows Vista Ultimate (SP1, SP2) 32-bit (x86) and 64-bit (x64) can be upgraded to Windows 7 Ultimate 32-bit (x86) and 64-bit (x64);
- No upgrade path for Windows Vista Home Basic N (SP1, SP2), not even to Windows 7 N or E;
- No upgrade path for Windows Vista Business N (SP1, SP2), not even to Windows 7 N or E.



# Q & A



Questions?

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