

## Windows 10 commercial edition comparison

Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 Business	Windows 10 E3	Windows 10 E5
Per device	Per device	Per user	Per user	Per user

### Intelligent Security

#### Threat protection

Attack Surface Reduction	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 Business	Windows 10 E3	Windows 10 E5
Attack Surface Reduction	🕒	🕒	🕒	🕒	🟢
Integrity enforcement of operating system boot up process	🟢	🟢	🟢	🟢	🟢
Integrity enforcement of sensitive operating system components	🟢	🟢	🟢	🟢	🟢
Advanced vulnerability and zero-day exploit mitigations	🟢	🟢	🟢	🟢	🟢
Reputation based network protection for browsers	🟢	🟢	🟢	🟢	🟢
Host-based firewall	🟢	🟢	🟢	🟢	🟢
Ransomware mitigations	🟢	🟢	🟢	🟢	🟢
Hardware based isolation for Microsoft Edge	🟢	🟢	🟢	🟢	🟢
Application Control	🟢	🟢	🟢	🟢	🟢
Device Control (e.g.: USB)	🟢	🟢	🟢	🟢	🟢
Network protection for web-based threats			🟢	🟢	🟢
Host intrusion prevention rules			🟢	🟢	🟢
Enterprise management of hardware-based isolation for Microsoft Edge <sup>1</sup>				🟢	🟢
Customizable allow/deny lists (e.g.: IP/URL, Files, Certificates)					🟢
Device-based conditional access					🟢
Centrally manageable tamper protection of operating system					🟢
Next Generation Protection	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 Business	Windows 10 E3	Windows 10 E5
Next Generation Protection	🕒	🕒	🕒	🕒	🟢
Pre-execution emulation executables and scripts	🟢	🟢	🟢	🟢	🟢
Runtime behavior monitoring	🟢	🟢	🟢	🟢	🟢
In memory anomaly and behavior monitoring	🟢	🟢	🟢	🟢	🟢
Machine learning and AI based protection from viruses and malware	🟢	🟢	🟢	🟢	🟢

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Cloud protection for fastest responses to new/unknown web-based threats	●	●	●	●	●
Protection from fileless based attacks	●	●	●	●	●
Advanced machine learning and AI based protection for apex level viruses and malware threats					●
Advanced cloud protection that includes deep inspection and detonation					●
Emergency outbreak protection					●
Monitoring, analytics and reporting					●
<b>Endpoint Detection and Response</b>					●
<b>Microsoft Threat Experts</b>					●
<b>Threat and Vulnerability Management</b>					●
<b>Integrated endpoint protection for 3rd party platforms</b>					●
macOS					●
Linux					●
<b>Automatic Investigation and Remediation</b>					●
<b>Centralized Configuration and Administration, APIs</b>					●
Monitoring, analytics and reporting					●
Open APIs to integrate with your solutions					●
Integration with Microsoft security solutions					●
<b>Security Posture</b>				●	●
Microsoft Secure Score for Devices				●	●
Device Health				●	●

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<b>Identity and access control</b>					
Windows Hello for Business <sup>2</sup>	●	●	●	●	●
Industry standards based multifactor authentication	●	●	●	●	●
Support for biometrics (Facial and Fingerprints)	●	●	●	●	●
Support for Microsoft Authenticator	●	●	●	●	●
Support for Microsoft compatible security key	●	●	●	●	●
Supports for Active Directory and Azure Active Directory	●	●	●	●	●
<b>Credential Protection</b>					
Hardware isolation of single sign-in tokens <sup>3</sup>				●	●
<b>Information protection</b>					
<b>Encryption<sup>4</sup></b>					
Automatic encryption on capable devices	ⓘ	ⓘ	⊕	●	●
Advanced encryption configuration options	●	●	●	●	●
Removable storage protection	●	●	●	●	●
Centralized BitLocker management and enforcement <sup>5</sup>			●	●	●
Direct Access & Always On VPN device tunnel				●	●
<b>Data Loss Prevention<sup>6</sup></b>					
Personal and business data separation	●	●	●	●	●
Application access control	●	●	●	●	●
Copy and paste protection	●	●	●	●	●
Integration with Microsoft Information Protection	●	●	●	●	●

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### Flexible management

#### Deliver enterprise-ready devices

##### Windows Subscription Activation<sup>7</sup>

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			●	●

##### Windows Autopilot<sup>8</sup>

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Windows Autopilot <sup>8</sup>	●	●	●	●	●
User-driven mode	●	●	●	●	●
Self-deploying mode	●	●	●	●	●
For existing devices	●	●	●	●	●
Remote reset	●	●	●	●	●
Local reset	●	●	●	●	●
Forced enrollment	●	●	●	●	●

##### Windows 10 Enterprise Long Term Servicing Channel

Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 Business	Windows 10 E3	Windows 10 E5
			●	●

##### Workstation Performance

	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 Business	Windows 10 E3	Windows 10 E5
Workstation Performance		●		●	●
Resilient File System		●		●	●
SMB Direct		●		●	●
Persistent Memory <sup>9</sup>		●		●	●

#### Simplify device management

##### Device Management

	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 Business	Windows 10 E3	Windows 10 E5
Device Management	◐	◐	◑	●	●
Industry standards based MDM	●	●	●	●	●
Active Directory Join <sup>10</sup>	●	●	●	●	●
Azure Active Directory Join <sup>7</sup>	●	●	●	●	●
Hybrid Azure AD Join <sup>7 10</sup>	●	●	●	●	●

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Kiosk mode <sup>11</sup>	●	●	●	●	●
Manage Start menu and Taskbar, unbranded boot, and custom login	●	●	●	●	●
Manage Cortana			●	●	●
Dynamic Management				●	●
Configure Windows diagnostic data				●	●
<b>Application Management</b>	◐	●	●	●	●
Mobile Application Management	●	●	●	●	●
Microsoft Store for Business <sup>12</sup>	●	●	●	●	●
Managed Store Access			●	●	●
<b>Virtualization</b>	◐	◐	◐	●	●
Local virtualization support	●	●	●	●	●
Windows Virtual Desktop Use Rights				●	●
Microsoft User Experience Virtualization (UE-V) <sup>13</sup>				●	●
Microsoft Application Virtualization (App-V) <sup>13</sup>				●	●
Windows To Go				●	●

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### Simplified updates

#### Streamline deployment and updates

Windows as a Service	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 Business	Windows 10 E3	Windows 10 E5
In-place upgrades	●	●	●	●	●
Express updates	●	●	●	●	●
Delivery optimization	●	●	●	●	●
Windows Update for Business	●	●	●	●	●
30 months of support for September targeted releases				●	●
<b>Desktop Analytics</b>				●	●
<b>Application compatibility</b>	●	●	●	●	●
Windows Insider Program for Business	●	●	●	●	●
App Assure				●	●
Fasttrack access				●	●

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<b>Enhanced Productivity</b>					
<b>Work smarter</b>	●	●	●	●	●
Microsoft Edge	●	●	●	●	●
Microsoft search in Windows 10 <sup>14</sup>	●	●	●	●	●
OneDrive for Business	●	●	●	●	●
Cortana for Business	●	●	●	●	●
<b>Cultivate collaboration</b>	●	●	●	●	●
Microsoft 365 apps on Windows	●	●	●	●	●
Nearby Sharing	●	●	●	●	●
Microsoft Whiteboard	●	●	●	●	●
OneNote for Windows 10	●	●	●	●	●
<b>Empower workstyles</b>	●	●	●	●	●
Work across devices <sup>15</sup>	●	●	●	●	●
Accessibility	●	●	●	●	●
Touch First Windows devices	●	●	●	●	●
Windows Ink <sup>16</sup>	●	●	●	●	●
3D in Windows 10	●	●	●	●	●

<sup>1</sup> Application Guard for Microsoft Edge

<sup>2</sup> Windows Hello for Business with biometric authentication requires specialized hardware, such as a fingerprint reader, illuminated IR sensor, depending on the authentication method.

<sup>3</sup> Credential Guard

<sup>4</sup> Requires TPM 1.2 or greater for TPM-based key protection.

<sup>5</sup> Modern Bitlocker Management. Requires Intune sold separately, requires Windows 10 update 1909

<sup>6</sup> Windows Information Protection requires either MDM or System Center Configuration Manager to manage settings. Sold separately.

<sup>7</sup> Requires Azure AD. Sold separately.

<sup>8</sup> Requires Azure AD for automatic MDM enrollment. Requires Microsoft Intune for enrollment status page. Sold separately.

<sup>9</sup> Non-volatile memory modules (NVDIMM) is required.

<sup>10</sup> Requires Windows Server

<sup>11</sup> Requires Microsoft Intune or third-party MDM service. Sold separately.

<sup>12</sup> Available in select markets. Functionality and may vary by region and device.

<sup>13</sup> Requires either App-V Server (available at no additional cost as part of Windows 10 Assessment and Deployment Kit) or System Center Configuration Manager (sold separately).

<sup>14</sup> Requires Bing for business to search across company resources and portals. Requires Office 365 subscription, sold separately, to search across OneDrive for Business and SharePoint locations.

<sup>15</sup> Users must link their mobile phone to their PC in PC settings, install the appropriate app for their device, and follow the setup prompts.

<sup>16</sup> Touch capable device required. Pen accessory sold separately.