

# Windows 10 commercial edition comparison

Windows 10  
Home

Windows 10  
Pro

Windows 10  
Pro for Workstation

Windows 10  
E3

Windows 10  
E5

## Intelligent Security

### Threat protection (Windows Defender Advanced Threat Protection)

Attack Surface Reduction	Windows 10 Home	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 E3	Windows 10 E5
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 Microsoft Edge, Internet Explorer and Chrome	●	●	●	●	●
Host based firewall	●	●	●	●	●
Ransomware mitigations	●	●	●	●	●
Hardware based isolation for Microsoft Edge		●	●	●	●
Application control powered by the Intelligent Security Graph		●	●	●	●
Device Control (e.g.: USB)		●	●	●	●
Network protection for web-based threats				●	●
Enterprise management of hardware-based isolation for Microsoft Edge				●	●
Host intrusion prevention rules				●	●
Customizable allow/deny lists (e.g.: IP/URL, Files, Certificates)					●
Device-based conditional access					●
Centrally manageable tamper protection of operating system					●

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<b>Next Generation Protection</b>					
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 threats					
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 what					
Emergency outbreak protection from the Intelligent Security Graph					
Monitoring, analytics and reporting for Next Generation Protection capabilities					

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<b>Endpoint Detection and Response</b>					●
Behavioral-based detection for advanced and targeted attacks (post-breach)					●
Centralized security operations management with Windows Defender Security Center					●
Rich investigation tools					●
Forensic collection					●
Response actions					●
Advanced detonation service with deep file analysis					●
Upload of Indicators of Compromise (IOC) for custom alerts					●
Flexible hunting queries over historical data					●
Custom alerts via powerful advanced hunting queries					●
Discover and report SaaS app usage to MCAS					●
Machine risk level to trigger conditional access					●
Monitoring, analytics and reporting					●
<b>Automatic Investigation and Remediation</b>					●
Automated alert investigations using Artificial Intelligence					●
Automated remediation of advanced threats					●
Monitoring, analytics and reporting					●

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<b>Security Score</b>					●
Assess and improve your organization security posture using Microsoft Secure Score for Windows					●
Threat Analytics shows your organizations exposure to threats					●
<b>Security Management</b>					●
Monitoring, analytics and reporting					●
Rich Power BI dashboards and reports					●
<b>Enterprise-grade Extensibility and Compliance</b>					●
Integrated endpoint protection for 3rd party platforms (macOS, Linux, iOS, Android)					●
Open Graph APIs to integrate with your solutions					●
Integration with Microsoft Advanced Threat Protection (ATP) products					●
ISO 27001 compliance					●
Geolocation and sovereignty of sample data					●
Sample data retention policy					●

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### Identity and access control

#### Multi Factor and password-less Authentication<sup>1</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

#### Credential Protection

Hardware isolation of single sign-in tokens

Centralized management, analytics, reporting, and operations



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## Information protection

### Full Volume Encryption<sup>2</sup>

Automatic encryption on capable devices					
Advanced encryption configuration options					
Removable storage protection					
Direct Access & Always On VPN device Tunnel					
Centralized configuration mgmt, analytics, reporting, and security operations					

### Data Loss Prevention<sup>3</sup>

Personal and business data separation					
Application access control					
Copy and paste protection					
Removable storage protection					
Integration with Microsoft Information Protection					

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### Flexible management

#### Deliver enterprise-ready devices

##### Windows Autopilot<sup>4</sup>

User-driven mode

Self-deploying mode

For existing devices

Remote reset

Local reset

Forced enrollment

##### Windows Subscription Activation<sup>5</sup>

#### Simplify device management

##### Device Management

Industry standards based MDM

Kiosk mode<sup>6</sup>

Active Directory Join

Azure Active Directory Join

Hybrid Azure AD Join<sup>7</sup>

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

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

Windows 10 Home	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 E3	Windows 10 E5
	ⓘ	ⓘ	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●
	●	●	●	●

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Manage Start menu and Taskbar, unbranded boot, and custom login		●	●	●	●
Resilient File System			●	●	●
SMB Direct			●	●	●
Persistent Memory <sup>8</sup>			●	●	●
Windows To Go				●	●
Manage Cortana				●	●
Managed Store Access				●	●
Dynamic Management				●	●
Microsoft User Experience Virtualization (UE-V) <sup>9</sup>				●	●
Enterprise management (key recovery, reporting, enforcement) and enforcement				●	●
<b>Application Management</b>	●	●	●	●	●
Mobile Application Management	●	●	●	●	●
Microsoft Store for Business <sup>10</sup>		●	●	●	●
Local virtualization support		●	●	●	●
Microsoft Application Virtualization (App-V) <sup>9</sup>				●	●



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## Simplified updates

### Streamline deployment and updates

	Windows 10 Home	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 E3	Windows 10 E5
<b>Windows as a Service</b>					
In-place upgrades					
Express updates					
Delivery optimization					
Windows Analytics Upgrade Readiness					
Windows Analytics Update Compliance					
Windows Update for Business					
Windows Analytics Device Health					
30 months of support for September targeted releases					
Windows 10 LTSC Access					
<b>Application compatibility</b>					
Ready4Microsoft365.com					
Windows Insider Program for Business					
Desktop App Assure					

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### Enhanced Productivity

	Windows 10 Home	Windows 10 Pro	Windows 10 Pro for Workstation	Windows 10 E3	Windows 10 E5
<b>Work smarter</b>	●	●	●	●	●
Microsoft Edge	●	●	●	●	●
Microsoft search in Windows 10 <sup>11</sup>	●	●	●	●	●
Windows user experience	●	●	●	●	●
Cortana <sup>10</sup>	●	●	●	●	●
<b>Cultivate collaboration</b>	●	●	●	●	●
Office 365 on Windows	●	●	●	●	●
Nearby Sharing	●	●	●	●	●
Microsoft Whiteboard	●	●	●	●	●
OneNote for Windows 10	●	●	●	●	●
<b>Empower workstyles</b>	●	●	●	●	●
Work across devices <sup>12</sup>	●	●	●	●	●
Accessibility	●	●	●	●	●
Windows devices	●	●	●	●	●
Windows Ink <sup>13</sup>	●	●	●	●	●
3D in Windows 10	●	●	●	●	●

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- <sup>1</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>2</sup> Requires TPM 1.2 or greater for TPM-based key protection.
- <sup>3</sup> Windows Information Protection requires either MDM or System Center Configuration Manager to manage settings. Sold separately.
- <sup>4</sup> Requires Azure AD. Sold separately.
- <sup>5</sup> Requires Azure AD for automatic MDM enrollment. Requires Microsoft Intune for Blocking Status page. Sold separately.
- <sup>6</sup> Requires Microsoft Intune or third-party MDM service. Sold separately.
- <sup>7</sup> Requires Azure AD and Microsoft Intune, sold separately.
- <sup>8</sup> Non-volatile memory modules (NVDIMM) is required.
- <sup>9</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>10</sup> Available in select markets. Functionality and may vary by region and device.
- <sup>11</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>12</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>13</sup> Touch capable device required. Pen accessory sold separately.