

Windows 10 IoT Enterprise:

Designed for Fixed-Purpose IoT Devices

When building an IoT solution, you need an operating system designed for embedded devices. You need advanced security and lockdown capabilities, flexibility, and the ability to scale quickly.

While Windows 10 Enterprise and Windows 10 Pro are fantastic options for PCs and laptops, Windows 10 IoT Enterprise is specifically designed for fixed-purpose IoT devices, making it the clear winner.

Accelerate time to market

Deploy your operating system with ease and get your IoT solution to market faster

- Flexible development terms
- Supports legacy protocols to connect with a wide variety of existing devices
- Create solutions faster with a familiar app environment, tools, and frameworks
- Flexible manufacturing through product keys
- Provides OEMs with scalable build, test, gates, and flighting tools

Minimize risk with advanced security

Windows IoT Enterprise provides advanced features to keep your devices, data, and network safe

- Windows Defender Advanced Threat Protection (ATP)
- BitLocker data encryption
- Device and Credential Guard
- Keyboard and Unified Write Filter (UWF) capabilities
- AppLocker and Layout controls
- For many more security features please refer to spec chart below*

Customize devices with advanced configuration

Create an enterprise-grade IoT solution that delivers exactly what you need

- Control and configure Windows Update, configuring access or disable entirely
- Limit reboots from updates
- Control UI notifications from the Windows Update client
- Configure the system to hide blue screens
- Configure notifications, toasts, and popups
- Tailor hardware to your needs with the broad range of supported devices

Enjoy long-term support

Windows 10 IoT Enterprise offers flexible support solutions to fit your needs. Windows 10 IoT Enterprise comes with a 10-year support cycle, including a minimum of five years of Mainstream Support followed by five years of Extended Support. Long Term Servicing Channel (LTSC) also provides optional releases every 2-3 years. Alternatively, there is support for the Semi-Annual Channel (SAC), which provides 18 months of support and non-security fixes, as well as feature releases twice a year.

Let's Talk

Don't have all the answers? No problem. We can answer your licensing questions and help you craft a fixed-purpose IoT strategy tailor-made for your business. Contact us at info@bsquare.com.

Windows 10 IoT Enterprise: How It Compares

Windows 10 IoT Enterprise includes all the latest Windows system advancements, including advanced lockdown capabilities for embedded devices as well as options for a long-term servicing channel for up to 10 years.

Features	Windows 10 IoT Enterprise	Windows 10 Enterprise	Windows 10 Pro
Channel	OEM IoT Embedded to single device	Volume Licensing to End User only	OEM System Builder
Support	LTSC 10 year support, SAC: 18-30 months	LTSC 10 year support, SAC: 18-30 months	18 months
Updates	Controlled Windows updates	Controlled Windows updates	Forced Windows updates
Update Type	Quality Update only	Quality Update only	Features & Quality Updates
Customization	Unlimited	Unlimited	Limited
Product Key	Multiple Options/Multi-Use Key	Single	Unique
Servicing Channel	Offers LTSC and SAC options	Offers LTSC and SAC options	SAC only
Target Device	Dedicated Device	General Purpose Computer	General Purpose Computer
License Resale	Can be resold	Cannot be resold	Can be resold
Includes Windows Hello for Business	✓	✓	✓
Bitlocker and Bitlocker to Go	✓	✓	✓
Domain Join	✓	✓	✓
Group Policy Management	✓	✓	✓
Windows Information Protection	✓	✓	✓
Windows Defender System Guard	✓	✓	✓
Windows Defender Exploit Guard	✓	✓	✓
Windows Defender	✓	✓	✓
Anti-Virus	✓	✓	✓
Windows Server Update Service (WSUS)	✓	✓	✓
Windows Update for Business	✓	✓	✓
Windows Analytics Upgrade Readiness	✓	✓	✓
Windows Analytics Update Compliance	✓	✓	✓
Windows Insider Program for Business	✓	✓	✓
Delivery Optimization	✓	✓	✓
Windows Shared Devices	✓	✓	✓
Windows AutoPilot	✓	✓	✓
Hybrid Azure Active Directory Join	✓	✓	✓
Microsoft Store for Business	✓	✓	✓
Mobile Application Management (MAM)	✓	✓	✓
Flexible Licensing	✓	✓	X
Windows Defender Credential Guard	✓	✓	X
Windows Defender Application Guard	✓	✓	X
Windows Defender Application Control	✓	✓	X
Windows Defender Advanced Threat Protection (ATP)	✓	✓	X
Windows Analytics Device Health	✓	✓	X
Cloud Activations	✓	✓	X
Manage User Experiences	✓	✓	X
Microsoft Application Virtualization (App-V)	✓	✓	X
Microsoft User Environment Virtualization (UE-V)	✓	✓	X
App Locker and Layout Control	✓	✓	X
Unified Write Filter (UWF)	✓	✓	X
UBS, Keyboard, and Gesture Filters	✓	✓	X
Dialogue Box and Notification Filter	✓	✓	X
BrancheCache	✓	✓	X
Assigned Access	✓	✓	X
Shell Launcher	✓	✓	X
Unbranded Screens	✓	✓	X
MDM & Group Policies	✓	✓	X
Credential Guard	✓	✓	X
Device Guard	✓	✓	X
Controlled Boot	✓	✓	X
Re-Imaging Rights Included	✓	✓	X
External Recovery Allowed	✓	✓	X

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