

BSQUARE

What is Windows 10 IoT Enterprise 2021 (vNext)?

Get ready for the latest Windows 10 IoT Enterprise OS

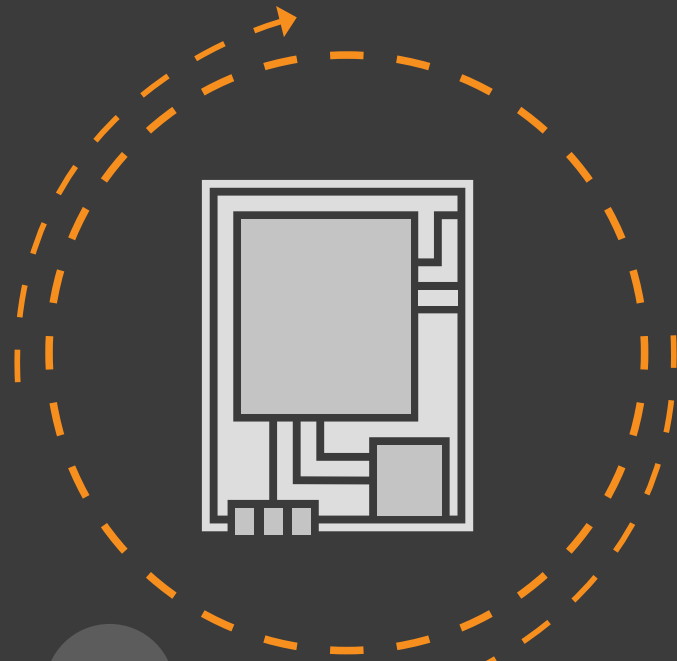


What is Windows 10 IoT Enterprise 2021 (vNext)?

Due for release in the fall, Windows 10 IoT Enterprise 2021 (also known as vNext) will be the latest version of Windows IoT Enterprise operating systems.

Windows 10 IoT Enterprise 2021 combines popular aspects of Windows 10 IoT Core and [Windows 10 IoT Enterprise](#), such as better optimization and a smaller OS footprint out of the box.

This new operating system will also be equipped with [Azure IoT Edge for Linux on Windows \(EFLOW\)](#), which allows you to run Linux modules on Windows IoT devices.



What are the main benefits of Windows 10 IoT Enterprise 2021?

While the current version of Windows 10 IoT Enterprise is supported until 2029, there are many benefits to switching to Windows 10 IoT Enterprise 2021



Long-term support

While [Windows 10 Client LTSC \(Long Time Servicing Channel\)](#) will be changing from [a 10-year lifecycle](#) to a 5-year lifecycle, Windows 10 IoT Enterprise 2021 comes with an option for 10-year long-term servicing channel (LTSC) support, allowing you to confidently keep devices in the field longer.



Reduce costs

With a minimum spec of 16GB storage/2GB RAM, Windows 10 IoT Enterprise 2021 will offer a smaller OS footprint than the current version of Windows IoT Enterprise, meaning you can run the OS on cheaper devices than before.



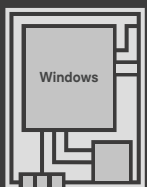
A wider support range

Because Windows 10 IoT Enterprise 2021 comes equipped with [Azure IoT Edge for Linux on Windows \(EFLOW\)](#), you will be able to run Linux workloads and containers, which offer a larger range of options for applications.



Increased security features

There are more available Windows lockdown features, giving you more control over security and branding designs.



Expanded device portfolio

With the full range of Intel silicon available, you can grow IoT solutions with ease.







What can Windows 10 Enterprise 2021 do for me?

Here's how Windows 10 IoT Enterprise 2021 compares to Windows IoT Core and Windows 10 IoT Enterprise:

 IoT Core

 IoT Enterprise 2019

 IoT Enterprise 2021

Customer requests	OS	Features
Better Azure IoT support		Run Linux version of Azure IoT on Windows (EFLOW)
Run Linux workloads in containers		Run Linux AI modules from Azure Marketplace (EFLOW)
Support device portfolio expansion		Full range of Intel silicon
Small footprint		Min. HW spec = 16GB/2GB, smaller than current IoT Enterprise, but not as small as IoT Core (4GB/1GB)
Appliance features		More lockdown and branding control
OEM controlled update		Validate and manage updates using Device Update Center
On-premises device management		Manage devices with familiar SCCM and WSUS tools
Full Win32 support		Leverage existing Win32 software and expertise

Things to consider before deciding to switch to Windows 10 IoT Enterprise 2021

With Windows 10 IoT Enterprise 2021 projected for release sometime in the second half of 2021, it's a good time for you to consider switching to the new OS. We've compiled a few questions for you to consider while preparing for a potential transition. If you would prefer not to think this through alone, [Bsquare](#) experts are happy to help.



1. Am I upgrading my devices?

If you're planning to upgrade older devices, you'll want to check to ensure these devices can handle the new OS. If you're planning to use new devices, you'll want to assess your bill of materials (BOM) costs. The reduced footprint of Windows 10 IoT Enterprise 2021 often means you are able to lower your costs.



2. How long will I need support for my devices?

Because many IoT devices are intended to stay in the field for a long time, Windows 10 IoT Enterprise 2021 has an option for 10-year LTSC (long-term servicing channel) support.



3. Have I tested my application(s) against the new OS?

With the addition of Azure EFLOW, Windows 10 IoT Enterprise 2021 can run both Windows and Linux applications. Still, it's important to test how your current applications will work with the updated OS before deciding to switch.



4. What is my strategy for locking down devices?

Windows 10 IoT Enterprise 2021 has best-in-class security and lockdown features, providing a wide range of options for your lockdown needs.

As an Authorized Microsoft Distributor, Bsquare can be your resource for licensing Windows 10 IoT Enterprise 2021. [Get in contact with our experts](#) to get started with the process or explore other licensing and IoT device management solutions now.