

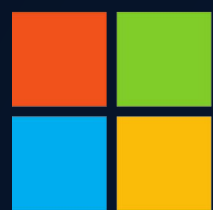
ELBACOM

Your Embedded/IoT Distributor

Zsolt Szanya

IoT Specialist

ELBACOM



Microsoft

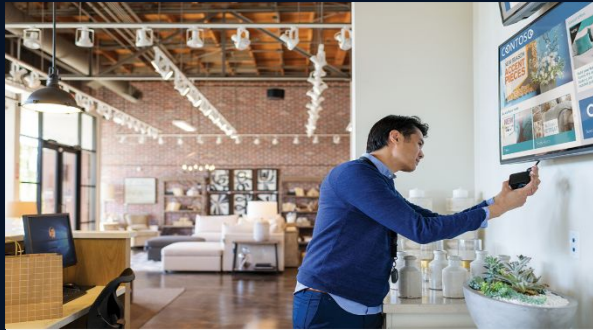
Authorized Distributor
OEM Embedded / IoT channel

Extending Windows to Specialized Devices



Windows IoT Industry Verticals

Transforming industries, enhancing customer experiences and empowering a modern workforce —while ensuring that business data and devices are safeguarded from external threats



Retail



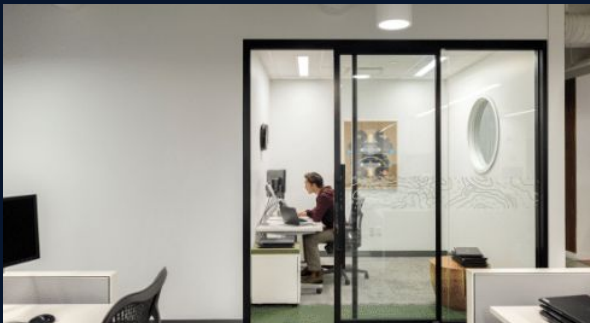
Smart cities



Industrial automation



Healthcare



Smart buildings



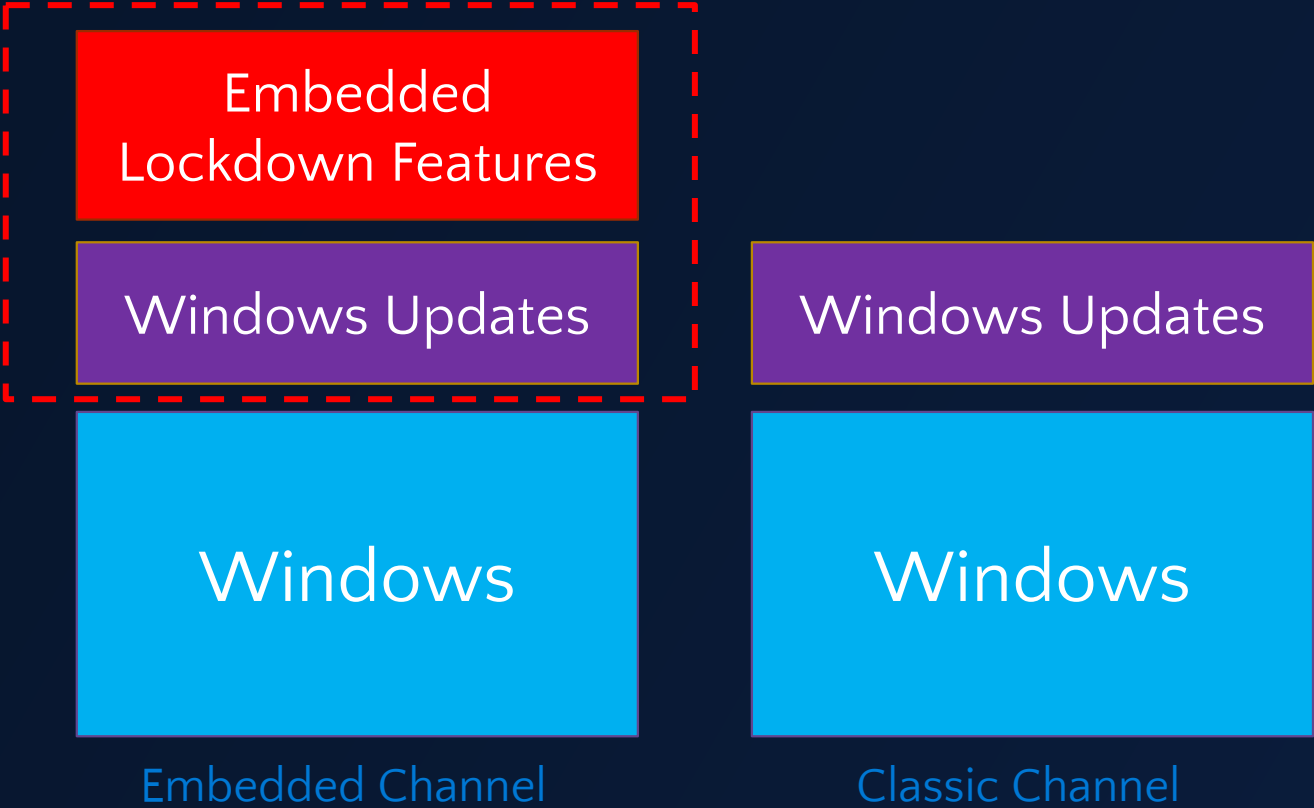
Financial



Security and surveillance

IoT/Embedded vs. Classic Channel

OPTIONAL



Advanced Lockdown Features for Dedicated Devices

Windows IoT Enterprise offers consistent and predictable device lockdown features across form factors

 <u>Unified Write Filter + HORM</u> ✓ Easily Create read-only devices ✓ Improve system uptime	 <u>Shell Launcher</u> ✓ Enable Customers to create a Win32/UWP based shell experience
 <u>Device Safeguards</u> ✓ Only enable approved USB devices ✓ Allow only access to certain peripherals	 <u>Assigned Access</u> ✓ Enable a single Universal Windows app or multiple app kiosk experience
 <u>Keyboard Filter</u> ✓ Block hotkeys and other key combinations ✓ Customize a breakout key sequence	 <u>Microsoft Edge Kiosk Mode</u> ✓ Provide a tailored browsing experience for kiosks or digital signs
 <u>Application Control</u> ✓ Create rules and policies to enforce your scenario ✓ Control which application and drivers can run	 <u>Unbranded Boot + Custom Logon</u> ✓ Suppress unwanted Windows elements
 <u>Screen Swipe Policy</u> ✓ Block screen swipe gestures that may invoke a system UI	 <u>Page Visibility + Access Controls</u> ✓ Customize the page visibility of system settings ✓ Configure system access of device (shut down, restart)

Overview of Windows for IoT Portfolio



Windows 10 IoT Enterprise LTSC

For smart devices with 10-year support option

Locked down, full edition of Windows 10 with OEM image configuration



Windows 11 IoT Enterprise

For smart devices with annual update channel

Locked down, full edition of Windows 11 with OEM image configuration



Windows Server IoT 2022

For the most demanding edge computing workloads



Windows 10 IoT Core and Services

For lower cost, small-footprint, smart devices.



Windows SQL Server IoT 2022

For IoT solutions requiring the full power of SQL Server



Azure IoT Edge for Linux on Windows

For running Linux-based cloud connected workloads at the edge

Embedded vs. Classic Channel

	Embedded Channel	Classic Channel
Availability	10 Years	<10 Years (until next OS)
Support	10 Years	36 months
Windows Activation	Multi key / Single key	Single Activation
Pre-Activation allowed	Yes	No
Pre-Accepting of EULA allowed	Yes	No
Custom Recovery Image	Yes	with restrictions
Boot Logo	Custom Logo	Microsoft Logo
Custom Branding	Yes	No
Boot to application	Yes	No
Shipment restrictions	Worldwide*	Regional only
Product type	COA only	Box (incl. COA, installation media)
Language dependent	Language independent	Different license per language

* <http://www.microsoft.com/en-us/exporting/overview.aspx>

Windows 10 has multiple editions

And Windows 10 Home is designed for personal use and has features that allow consumers to be more creative and productive

Windows 10 Pro and Enterprise are intended for general purpose business PCs and laptops

- Pro releases are only supported for 18 months
 - Enterprise is the same binary code as IoT Enterprise, but is only licensed to enterprise customers and can't be re-sold
-

Windows 10 IoT Enterprise is designed for dedicated devices with advanced lockdown features, 10 years of support, special pricing, ...

Windows 10 LTSC editions – feature comparison: Enterprise vs. IoT Enterprise

	Windows 10 Enterprise	Windows 10 IoT Enterprise
Target device	General purpose computer	Dedicated use device
Channel	Volume Licensing	IoT Distributors
Pricing	Single price, Upgrade Licensing, requires a qualified base OS	Processor Based Pricing, Full License
Support LTSC 2021	End Date: Jan 12, 2027	End Date: Jan 13, 2032
Resellable	No	Yes
Global shipments	n/a	Unlimited
Licensed to	Enterprise Customers	End Device

Windows 10/11 IoT Enterprise – Value Based Pricing Model

Supported Processor	NXP: i.MX 8M, i.MX 8M Mini	Windows 10 IoT Enterprise BASE
	Intel • Selected Pentium (N Series, J Series) • Selected Celeron (N Series, J Series, G Series, 3000 Series, 4000 Series, 5000 Series, 6000 Series) • Rest of Atom AMD: R1xxx, R2xx, E1, E2, E-350, A4, A6, A9, G-Series, V10xx-V12xx, V20xx-V23xx, Athlon, 3000-Series VIA: All	Windows 10/11 IoT Enterprise ENTRY
	Intel: • Rest of Pentium • Rest of Celeron • Selected Atom (C2750, C2730, C2550, C2530, C2350, C3338, C3958, S1260, S1240, S1220) • Core i3, Core i5, Core M • Selected Xeon (E3-1225, E3-1501M, E3-1501L, E-2124G, Xeon W-111xx, Xeon W-115xx) AMD: Rest of RX-Series, A8, A10, A12, Rest of FX Models, V13xx-V19xx, V24xx-V29xx, Ryzen 3, Ryzen 5, Selected EPYC 3000 models (3101, 3151) Qualcomm: SDM850	Windows 10/11 IoT Enterprise VALUE
	Intel: Core i7, Core i9, Rest of Xeon AMD: Selected FX models (FX 7500, FX 9370, FX 9590, FX 7600P), Ryzen 7, Ryzen 9 , Rest of EPYC 3000 models All other non-specified CPUs	Windows 10/11 IoT Enterprise HIGH END



Note: For clarity, this list defines processors for the purposes of Windows 10/11 IoT Enterprise value-based pricing only. This list is not a technical representation of supported processors for Windows 10/11 IoT Enterprise Product.

All statements without guarantee

Why Windows 10 IoT Enterprise LTSC?

- Cost effective license price
- 10 years availability and support
- Protected OS (UWF)
- Customization opportunities
- No feature updates, only security updates
- Controlled update period

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