Industrial PC

Windows® 11 IoT Enterprise LTSC 2024

Software | Operating systems

Windows®11 IoT Enterprise LTSC 2024 is the unchangeable version of the Windows®11 platform that is available for over 10 years. Features such as the ability to protect various areas of the operating system from write access make it ideal for use in industrial devices.

Windows®11 IoT Enterprise LTSC 2024 is fully compatible with Windows®11 Pro and is therefore not subject to any restrictions in terms of drivers and typical Windows applications.

Windows 11 IoT Enterprise LTSC 2024

Main Features
- 10 years of lifecycle support
- Extensive customisation and locking functions
- Individually controllable update procedure
- Only quality/security-relevant updates
- Compatibility with legacy applications
- Performance-based pricing

Life Cycle
The life cycle of Windows® 11 IoT Enterprise LTSC 2024 is 10 years and ends in June 2034. Until then, the operating system will be available in unchanged form. This extended support ensures stability and provides security patches over a significantly longer period than standard Windows editions.

Advanced Lockdown Features
These extensive functions make it possible to customise the operating system specifically to the needs of the industrial environment using access and locking functions.

Assigned Access – with this selective access filter it is possible to
- block touch gesture controls
- start an access code or login
- create multi-user access profiles
- automatic start directly into an exclusive application

Embedded and Custom Logon – this function can be used to
- suppress the display of normal Windows® screens (start logo) during the boot and shutdown process
- suppress the display of normal Windows® screens during the logon and logoff process

Unified Write Filter (UWF) – with this write filter it is possible to
- protect the system against write access in the registry
- create protected read-only areas in folders and drives

USB- and Keyboard Filter – with this filter it is possible to
- block specific USB ports on the computer
- block specific USB devices (blacklist)
- block keyboard hotkeys

AppLocker - with this selective access filter it is possible to
- Integrate individual logos and product or brand names instead of the usual Windows login/logout screens

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Controlled Update procedure

- With the LTSC (Long Term Servicing Channel) update model, Microsoft leaves it entirely up to the user to decide whether and when to install the security updates provided by Microsoft.
- Only security updates are published for Windows® 11 IoT Enterprise LTSC 2024. Feature updates and functional enhancements, as with other Windows editions, are generally not offered.
  The features of the original version remain unchanged.
- The security updates provided can be selectively chosen to be delayed or not at all and activated as required, regardless of the respective release date. The user always decides whether and when an update should be installed.
- There are no automatic updates. Functions that have been set by the user remain unchanged. Essential for use in industrial systems.
- Windows® 11 IoT Enterprise LTSC 2024 corresponds to the version '24H2 - second half of 2024'. This version status remains unchanged over the entire support period of 10 years.

Kompatibility

Windows® 11 IoT Enterprise LTSC 2024 is based entirely on the Windows® 11 platform, ensuring a high level of compatibility with all applications that can also be run on other Windows® 11 editions.
The LTSC versions focus on maintaining compatibility with older applications and hardware so that older software and peripherals work seamlessly and without compatibility issues.

Versions

The licence for Windows® 11 IoT Enterprise LTSC 2024 is offered in three performance/price levels, depending on the CPU used:

Entry

Intel®	- Intel: Atom, Celeron, Pentium, Prozessor N
AMD	- G-Series, R1xxx, R23xx-R25xx, V10xx-V12xx, V20xx-V23xx

Value

Intel®	Core 3/5, Core Ultra 3/5, Core i3/i5, Xeon E, Xeon W Embedded
AMD	V13xx-V19xx, V24xx-V29xx, Ryzen 3, Ryzen 5

High End

Intel®	Core 7, Core Ultra 7/9, Core i7/i9, Xeon
AMD	PYC (Naples, Rome, Milan, Genoa), Ryzen 7, Ryzen 9

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Licensing

Windows® 11 IoT Enterprise LTSC 2024 is offered in two licensing models:

- **PKEA**: The operating system is installed and activated by Spectra. The activation key is visibly placed on the computer housing via a sticker.

  Advantage: The device can be reactivated by the user after minor hardware changes.

  Ideal for smaller quantities.

- **ePKEA**: The operating system is installed and activated by Spectra. The activation key is not visible.

  Advantage: The user no longer has to be active and saves time and effort, Spectra does all the preparatory work.

  Ideal for large numbers of identical systems.

Languages

The standard installation is in English (activated by default) and German. It is possible to switch between the two languages at any time. Other languages can also be installed ex works on request.

In addition, the user can install further languages at any time via 'Windows Update' (Internet connection required).

Ordering Information

PKEA

N° 172897   Windows 11 IoT Enterprise LTSC 2024 Entry (PKEA)
N° 172900   Windows 11 IoT Enterprise LTSC 2024 Value (PKEA)
N° 172901   Windows 11 IoT Enterprise LTSC 2024 Hi-End (PKEA)

ePKEA

N° 172909   Windows 11 IoT Enterprise LTSC 2024 Entry (ePKEA)
N° 172910   Windows 11 IoT Enterprise LTSC 2024 Value (ePKEA)
N° 172911   Windows 11 IoT Enterprise LTSC 2024 Hi-End (ePKEA)

Packing List

- License-Sticker (only PKEA Versions)
- USB-Recovery-Stick incl. Image and Acronis Software
- Informations about Acronis Software
- Storage cover

Notes

- The licences are bound to the respective computer system supplied by Spectra.
- The licence, installed operating system and associated hardware can
  be used worldwide without restriction (please note the applicable trade restrictions).
- An upgrade from older Windows® IoT versions is possible.
  Please consult our sales department.
- Spectra offers a simple tool with a graphical interface for
  configuring the Advanced Lockdown features.
  Please consult our sales department.

Ask us!

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