WINDOWS 10 IOT ENTERPRISE 2021 LTSC

FEATURES

· Embedded features
· Controlled update procedure
· 10 years Life cycle
· 3 CPU performance versions
· 2 licensing models

Windows 10 IoT Enterprise is a full version of Windows 10 Enterprise, but has additional features such as the possibility to protect targeted areas of the operating system and the drive from write accesses or general accesses. Windows 10 IoT Enterprise is therefore ideally suited for use in industrial devices. Windows 10 IoT Enterprise is fully compatible with Windows 10, so there are no restrictions on drivers and classic Windows applications.

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ADVANCED LOCKDOWN FEATURES

With these 'extended functions', it is possible to adapt the operating system specifically to the needs of the industrial environment by means of access and usage control.

Assigned Access – with this selective access filter it is possible to:

- disable Touch gesture controls
- start an access code or login
- Create multi-user access profiles
- Automatic start directly into an exclusive application

Embedded or Custom Logon – with this tool you can:

- the displaying of normal Windows screens (start logo) at boot time and shutdown processes are suppressed
- the displaying of normal Windows screens during logon and logoff process are suppressed

Unified Write Filters (UWF) – with this write filter is it possible to:

- protect the system against write access (registry) and
- create protected read-only areas (folders, drives, etc.)

USB- and Keyboard Filters– with this filter is it possible to:

- block specific USB ports of the computer
- block specific USB devices (blacklist)
- block keyboard hotkeys or similar as command input

AppLocker - with this selective access filter it is possible to:

- Allow access only to specified applications
- prevent system dialogs

CONTROLLED UPDATE PROCEDURE

With the so-called 'LTSC - Long Term Servicing Channel' upgrade model, Microsoft allows users to decide for themselves whether and when to install Windows 10 updates generally provided by Microsoft.

The following applies:

- With Windows 10 IoT Enterprise 2021 LTSC, only security updates are possible, feature updates are generally excluded.
- Features and functions of the original version are frozen and thus remain unchanged.
- The security updates, on the other hand, can be selected independently of the respective release date, either not at all or with a delay at a time of one's own choosing. selected and activated as required: The user always determines whether and when an update is installed.
- In principle, there are no automatic and unobserved updates.
- The present version '2021 LTSC' corresponds to the November 2021 version (version 21H2).

LIFE CYCLE

The life cycle of Windows 10 IoT Enterprise 2019 LTSC will continue until January 2032 (5 years of mainstream support, 5 years of extended support).

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VERSIONS

Version licensing is offered for the different usage scenarios, depending on the CPU performance used. Three power levels are mapped: Entry, Value and High-End.

The following scheme is used as an orientation:

ENTRY

Intel®	- Selected Pentium® : N Series, J Series
	- Selected Celeron® : N Series, J Series, G Series, 3000/4000/5000/6000 Series
	- Rest of Atom™
AMD	- R1xxx, E1, E2, E-350, A4, A6, A9, G-Series, V10xx-V12xx, Athlon, 3000-Series

VALUE

Intel	- Rest of Pentium®
	- Rest of Celeron®
	- Selected Atom™ : C2750, C2730, C2550, C2530, C2350, C3338, S1260, S1240, S1220
	- Core™ i: 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, V13xx-V19xx, Ryzen 3, Ryzen 5

HIGH END

Intel	- Core™ i7, Core™ i9, restliche Xeon®
AMD	- Selected FX Models ((FX 7500, FX 9370, FX 9590, FX 7600 P), Ryzen 7
All	- All other non-specified CPUs

LICENSING

Windows® 10 IoT Enterprise 2021 LTSC is offered in two licensing models:

- **PKEA:** The operating system is installed and activated by Spectra. The activation key is visibly attached to the computer housing via a sticker.
  Advantage: The customer can always reactivate the device himself, for example after HW changes. This may mean increased effort.
- **ePKEA:** The operating system is installed and activated by Spectra. The activation key is not visible.
  Advantage: The customer does not have to become active himself and thus saves effort and time with systems that are always identical in construction.

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LANGUAGES

The standard installation is in English (activated) and German. The user can easily switch between the two languages. If desired, other languages can be pre-installed. In addition, the user can install further languages at any time via 'Windows Update' (internet connection required).

RECOMMENDED COMPUTER MEMORY EQUIPMENT

- HDD/SSD: at least 40 GB
- RAM (64-Bit-Version): at least 4 GB

ORDERING INFORMATIONS

PKEA

No. 166596   Windows 10 IoT Enterprise 2021 LTSC Entry (PKEA)
No. 166598   Windows 10 IoT Enterprise 2021 LTSC Value (PKEA)
No. 166599   Windows 10 IoT Enterprise 2021 LTSC High End (PKEA)

ePKEA

No. 166600   Windows 10 IoT Enterprise 2021 LTSC Entry (PKEA)
No. 166001   Windows 10 IoT Enterprise 2021 LTSC Value (PKEA)
No. 166003   Windows 10 IoT Enterprise 2021 LTSC High End (PKEA)

DELIVERY SCOPE

- License
- Recovery image (incl. recovery tool, Microsoft Software License Terms)
- USB3.0-key
- Storage cover

NOTE

- The licence may only be used in conjunction with the supplied computer hardware intended for industrial use.
- The licence can only be purchased together with the Windows 10 IoT Enterprise version installed by Spectra and the performance-related hardware (CPU) and may only be used with this hardware. (CPU) and may only be used with this hardware. The licence is not available individually, without hardware.
- Operating system and associated hardware installed under license can be used worldwide without restrictions.