WINDOWS 10 IOT ENTERPRISE 2019 LTSC

FEATURES

- Advanced Lockdown
- Controlled update procedure
- 10 years Life cycle
- 3 versions: Entry, Value & High End

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Windows 10 IoT Enterprise is a full version of Windows 10 Enterprise, but has additional features such as the possibility to protect specific 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 lockdown functions, the operating system can be specifically adapted to the needs of the industrial environment via 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 the allowed 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

Embedded Boot / neutral start screen – with this setting is it possible to:

- Including individual logos and product or brand names instead of the standard Windows logon/logoff screensn

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.

For Windows 10 IoT Enterprise 2019 LTSC, only security updates are possible, feature updates are generally excluded.
Properties and functions of the original version are frozen and therefore remain unchanged.
The security updates, on the other hand, can either not be released at all or can be delayed to a self
and can be activated as required: The user always determines whether and when an update is installed.
There are no automatic and unobserved updates.
The current version '2019 LTSC' corresponds to version Oktober 2018 (version 1809, Redstone 5).

LIFE CYCLE

The life cycle of Windows 10 IoT Enterprise 2019 LTSC will continue until Januar 2029 (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 Series
	- Rest of Atom™
AMD	- E1, E2, E-350, A4, A6, G-Series, V10xx-V12xx, Athlon
VIA	- All

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
AMD	- R-Series, A10, A8, Rest of FX Models, V13xx-V19xx, Ryzen 3, Ryzen 5

HIGH END

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

OTHER DIFFERENCES

Windows® 10 IoT Enterprise 2019 LTSC does not include either Microsoft Edge Browser (IE11 though) nor Cortana

LANGUAGES

Standard installation is in English language. Other languages can be pre-installed on request. In addition, the user can install more than 30 additional 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

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ORDERING INFORMATIONS

No. 157243 Windows 10 IoT Enterprise 2019 LTSC Entry (OEM)
No. 152740 Windows 10 IoT Enterprise 2019 LTSC Value (OEM)
No. 157239 Windows 10 IoT Enterprise 2019 LTSC High End (OEM)

DELIVERY SCOPE

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

NOTE

- The license may only be used in conjunction with the hardware intended for industrial use.
- The license can only be used together with the Windows 10 IoT Enterprise version installed by Spectra and the performance-related hardware (mainboard, CPU etc.) and may only be used with this hardware. The license is stand-alone without hardware not available.
- Operating system and associated hardware installed under license can be used worldwide without restrictions.
- For further and complete license terms please see 'Microsoft Software License Terms' on the USB stick.

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