

Comparison of Windows 10 operating systems by Spectra

	Windows 10 Professional	Win 10 IoT Enterprise 2016 LTSC (ePKEA)			Win 10 IoT Enterprise 2019 LTSC (ePKEA)			Win 10 IoT Enterprise 2019 LTSC (PKEA)			Win 10 IoT Enterprise 2019 LTSC (PKEA) Field Upgrade licence		
Spectra Article n°	145316 (DE) / 145318 (EN)	149386 Entry	149385 Value	149383 High-End	157243 Entry	157240 Value	157239 High-End	160948 Entry	160947 Value	190946 High-End	161523 Entry	161524 Value	161525 High-End
Target Application	Consumer-PC / Desktop-PC / Business-PC	Industrie-PC / Embedded-PC											
Optimally suitable for	für kommerziellen, nicht-industriellen Einsatz	for industrial use, within self-contained, unchangeable, firmly defined system units											
Application scenario	Individual quantities Advantages: The customer can make individual adjustments independently After hardware or software adaptations, the system can be reactivated by the customer using the license key	Series with medium to large quantities (> 20 pieces) Advantages: The configuration defined in advance by the customer is installed by Spectra in the same way on the series With many similar systems, there is no installation effort for the customer, he gets a ready-to-use configured system.					Individual or small quantities Advantages: The customer can make individual adjustments independently After hardware or software adaptations, the system can be reactivated by the customer using the license key						
Licence sticker (COA)	licence sticker with 25-digit license key	licence sticker (license key issued by Spectra)					licence sticker with 25-digit license key						
Online connection	Internet connection required	No Internet connection required											
Versions status	aktual Version: 1909 "19H2", Build: 18363	unchanged over the term Version: 1607 "Redstone 1" Build: 14393			unchanged over the term Version: 1809 "Redstone 5", Build: 17763								
Availability & Support	continuously through Online-Updates	10 years guaranteed Market launch: August 2016 End date extended support: Oktober 2026			10 years guaranteed Market Launch: November 2018 End date extended support: Januar 2029								
Update Model	SAC (Semi-Annual Channel)	LTSC (Long Term Servicing Branch)			LTSC (Long Term Servicing Channel)								
Version Upgrade Function Updates	new versions must be installed every half year	no version upgrades and no function updates, version remains unchanged ("frozen") over the planned term (10 years)											
Security Updates	continuously, together with function updates	Security updates, scope and installation time can be selected											
Embedded Properties (selected few)		Configuration and setting of embedded properties (optional) * through Spectra (after consultation and in agreement with the customer, see services with costs) * through the customer himself with the help of the chargeable configuration tool ECM2GO											
* BitLocker (Hard disk encryption)	yes	yes											
* AppLocker (Program locks)	no	yes											
* Assigned Access (selective access filter)	no	yes											
* USB- / Keyboard-Filter	no	yes											
* Enhanced Write Filter	no	yes											
* Registry Filter	no	yes											
For all versions of Windows 10 IoT Enterprise: Processor-dependent licencing		Entry Intel Atom: others Celeron: Serie N, J, G, 3000, 4000 Pentium: Serie N, J			Value Intel Atom: Serie C, S Celeron: others Pentium: others Core: i3, i5, iMobile Xeon: E3-1225, E3-1501M, E3-1501L, E-2124G			High-End Intel Core: i7, i9 Xeon: others			AMD FX 7500, FX 9370, FX 9590, FX 7600P Ryzen 7		
Architecture		64-Bit											
Compatibility	-	100% compatible to Win10 Professional											
Installation	through Spectra Customer himself can run a new installation with the help of the Installations-DVD at any time	through Spectra Customer can re-install original image with the help of the recovery stick at any time. Attention: In the event of significant hardware changes to the system, a new Windows activation is necessary (either carried out at Spectra, or alternatively as telephone activation by the customer himself)					through Customer Prerequisites: * The computer (not necessarily purchased from Spectra) already has an operating system * The computer hardware is Core-i4th generation (Haswell) or newer * Win10 drivers suitable for the computer hardware are available						
Windows Activation installed size		through Spectra approx. 40 GB											
Installed languages	german or english	german and english, additionally 30 further possible languages											
individual sale	possible	only together with associated hardware											
Supplied media	Original Microsoft Installation DVD	Spectra USB Recovery-Stick 158021 with * Original-Image * Acronis True Image Personal Edition (Recovery & Backup-Software)									Spectra USB Setup-Stick 161411 with Installation files (english)		

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