SIEMENS

Data sheet

6ES7718-0BB00-0CC3

SIMATIC Field PG M6 Comfort; i5-8400H (2.5 to 4.2 GHz; 4 kernels + hyperthreading; 8 MB Smart Cache); 15.6" display; Full HD (1920x 1080); WLAN 802.11ac & Bluetooth V5.0; DVD +/-RW; UHD Graphics 630; 1x 16 GB DDR4 SD-RAM SO-DIMM; 512 GB SSD SATA (2.5"); without S5 interface, without S5-EPROMMER Power cable with power plug: Europe; Keyboard: QWERTZ/QWERTY (Germany); without NVME (M.2); Windows 11 IoT Enterprise (version 22H2) 64-bit; without USB flash drive (restore image; D&D) license for STEP 7 Professional Combo; WinCC Advanced Combo (TIA Portal & WinCC flexible); Safety Advanced Combo (TIA Portal & Distributed Safety); version of the preinstalled software and licenses V18

Design of the programming device Display Design of display 15.6° full HD display in 16:9 format Resolution (pixels)	General information	
Design of display Resolution (pixels) - Horizontal image resolution - Vertical image resolution - Non-reflecting - Luminance - Non-reflecting - Type of backlighting - Type of backlighting - Type of backlighting - Type of backlighting - Design - Ower Tz/QWERTY or AZERTY (French): 87 keys - Touch operation - Integrated touch pad - Integrated fouch pad - Integrated fouch pad - Pesign of the power supply - Design of the power supply - Permissible range, (lower limit (AC) - permissible range, (lower limit (AC) - permissible range, (lower limit (AC) - permissible range, (lower limit - 63 Hz - Processor - Processor type - Intel Core IS-840DH (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or 17-8550H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) - Cache) or 17-8550H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) - Cache) - Cripset - Hyper-threading - Yes - Turbo Boost Technology 2.0 - Yes - Caraphics - Caraphics - Caraphics - Caraphics controller - Drivos - SSD - Yes: Easy to replace - Memory capacity - Type of memory - Work memory - Yes (2 on he equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB - Accumulator - Replaceable - Yes, Lithium-ion battery - Capacity - Sc Art Cache) - Capacity - Sc Art Cache) - Capacity - Sc Caraphics - Cache) - Cachel - Capacity - Sc Cachel - Capacity - Sc Cachel - Yes, Lithium-ion battery - Capacity - Sc Capacity - Sc Cachel - Yes, Lithium-ion battery - Capacity - Sc Capacity - Sc Cachel - Yes, Lithium-ion battery - Capacity - Sc Capacity - Sc Cachel - Yes, Lithium-ion battery - Capacity - Sc Cachel - Yes, Lithium-ion battery - Capacity - Sc Cachel - Yes Cachel - Yes, Lithium-ion battery - Capacity - Yes Capacity - Yes Cachel - Yes Lithium-ion battery - Cachel - Yes Lithium-ion battery - Yes Cachel - Y	Design of the programming device	Notebook
Resolution (pixels)	Display	
Horizontal image resolution Vertical image resolution 1 920 pixel Vertical image resolution 1 1 980 pixel Non-reflecting Non-reflecting Ves Luminance 300 cd/m² Backlighting Type of backlighting Type of backlighting Type of backlighting UED Control elements Reyboard fonts Design QWERTZ/QWERTY or AZERTY (French): 87 keys Touch operation Integrated touch pad Ves; Clickpad Supply voltage Design of the power supply External wide-range power supply; 3-pole permissible range, Lower limit (AC) permissible range, Lower limit (AC) 100 V; ±10 %, sinusoidal Uniferequency permissible range, lower limit (AC) 100 V; ±10 %, sinusoidal Line frequency permissible range, lower limit A7 HZ permissible range, upper limit A7 HZ permissible range, upper limit A7 HZ permissible range, lower limit A7 HZ permissible range, lower limit A7 HZ Processor Processor Processor Processor type Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3	Design of display	15.6" full HD display in 16:9 format
e- Vertical image resolution General features • Non-reflecting • Luminance Backlighting • Type of backlighting • Type of backlighting • Type of backlighting • Design • Design Guerral deut touch pad • Type of backlighting • Design Touch operation • Integrated touch pad • Type your stage Design of the power supply External wide-range power supply; 3-pole permissible range, lower limit (AC) permissible range, upper limit (AC) 100 ∨: ±10 %, sinusoidal permissible range, upper limit (AC) 100 ∨: ±10 %, sinusoidal Processor Processor Processor Processor type Intel Care 15-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.5 GHz 6 cores and	Resolution (pixels)	
Non-reflecting	 Horizontal image resolution 	1 920 pixel
Non-reflecting Luminance Backlighting Type of backlighting Type of backlighting Type of backlighting Type of backlighting EED Control elements Keyboard fonts Design QWERTZ/QWERTY or AZERTY (French): 87 keys Touch operation Integrated touch pad Yes; Clickpad Supply votage Design of the power supply External wide-range power supply; 3-pole permissible range, lower limit (AC) 100 V; ±10 %, sinusoidal permissible range, upper limit (AC) Line frequency permissible range, lower limit permissible range, upper limit for the permissible range, upper limit permissible range, upper lim	Vertical image resolution	1 080 pixel
■ Luminance Backlighting ■ Type of backlighting ■ Type of backlighting ■ UED Control cloments Keyboard fonts ■ Design QWERTZ/QWERTY or AZERTY (French); 87 keys Touch operation ■ Integrated touch pad Supply voltage Design of the power supply permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, upper limit (AC) Processor Frocessor type Intel Core I5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 8 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6 to 4.3 GHz, 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz, 6	General features	
# Type of backlighting # Type of backlighting # Type of backlighting # Type of backlighting # Design # Design # OWERTZ/QWERTY or AZERTY (French); 87 keys # Design # Ower of the grated touch pad # Ves; Clickpad # Supply voltage # Design of the power supply # Design of the power supple # Design of the power supple # Design of the power supple # Design o	 Non-reflecting 	Yes
• Type of backlighting Control elements Keyboard fonts • Design QWERTZ/QWERTY or AZERTY (French); 87 keys Touch operation • Integrated touch pad Yes; Clickpad Supply voltage Design of the power supply External wide-range power supply; 3-pole permissible range, lower limit (AC) 100 V; ±10 %, sinusoidal Line frequency • permissible range, lower limit 63 Hz Processor Processor type Integrated touch and Yes Cache) or 17-8850H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or 17-8850H (2.5 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.5 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel CM246 Hyper-threading Yes Turbo Boost Technology 2.0 Yes Graphics controller Intel® UHD Graphics 630 Drives SSD Yes; Easy to replace • Memory capacity 256 Gbyte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory • Number of slots 2. can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A h	Luminance	300 cd/m ²
Control elements Keyboard fonts Design QWERTZ/QWERTY or AZERTY (French); 87 keys Touch operation Integrated touch pad Yes; Clickpad Supply voltage Design of the power supply permissible range, lower limit (AC) permissible range, upper limit (AC) permissible range, upper limit (AC) Line frequency Processor Frocessor Processor type Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Cripset Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or 17-8850H (2.6 to 4.3 GHz 6 cores and hyper-th	Backlighting	
Keyboard fonts	 Type of backlighting 	LED
• Design	Control elements	
o Integrated touch pad Supply voltage Design of the power supply permissible range, lower limit (AC) permissible range, upper limit (AC) Line frequency opermissible range, upper limit permissible range, lower limit permissible range, upper limit opermissible range, upper limit operm	Keyboard fonts	
Integrated touch pad Yes; Clickpad Supply voltage Design of the power supply permissible range, lower limit (AC) permissible range, lower limit (AC) Line frequency • permissible range, lower limit • permissible range, upper limit • permissible range, upper limit • permissible range, lower limit • permissible range, lower limit • permissible range, lower limit • permissible range, upper li	Design	QWERTZ/QWERTY or AZERTY (French); 87 keys
Design of the power supply Design of the power supply permissible range, lower limit (AC) permissible range, lower limit (AC) Line frequency • permissible range, lower limit • permissible range, lower lim	Touch operation	
Design of the power supply permissible range, lower limit (AC) permissible range, lower limit (AC) 240 V; ±10 %, sinusoidal permissible range, upper limit (AC) Line frequency • permissible range, lower limit • permissible range, upper limit • 3 Hz Processor Processor V Processor type Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel CM246 Hyper-threading Yes Turbo Boost Technology 2.0 Graphic Graphic SSD Ves; Easy to replace • Memory capacity Tyes (256 Gbyte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Momory Type of memory DDR4 SO-DIMM Work memory • Number of slots Accumulator Replaceable Yes; Lithium-ion battery Replaceable Yes; Lithium-ion battery Residence in the sinus inductor in the sinus in the sinus in the supply (Yes; Lithium-ion battery) 8.25 Ah	 Integrated touch pad 	Yes; Clickpad
permissible range, lower limit (AC) permissible range, upper limit (AC) Line frequency • permissible range, lower limit • permissible range, lower limit • permissible range, upper limit • permiss	Supply voltage	
permissible range, upper limit (AC) Line frequency • permissible range, lower limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • permissible range, upper limit • permissible range, lower lamits •	Design of the power supply	External wide-range power supply; 3-pole
Line frequency	permissible range, lower limit (AC)	100 V; ±10 %, sinusoidal
• permissible range, lower limit • permissible range, upper limit	permissible range, upper limit (AC)	240 V; ±10 %, sinusoidal
Processor Processor type Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz, 6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz, 6 to 4.3 GHz, 6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz, 6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB Smart Cache) or i7-8850H (2.6 to 4.2 GHz, 4 cores and hyper-threading, 9 MB	Line frequency	
Processor Processor type Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel CM246 Hyper-threading Yes Turbo Boost Technology 2.0 Yes Graphic Graphic Graphics controller Intel® UHD Graphics 630 Prives SSD Yes; Easy to replace • Memory capacity Yes; 2.6 (byte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory Work memory • Number of slots Accumulator Replaceable Yes; Lithium-ion battery 8.25 A-h	 permissible range, lower limit 	47 Hz
Processor type Intel Core i5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel CM246 Hyper-threading Yes Turbo Boost Technology 2.0 Yes Graphic Graphic Sontroller Intel® UHD Graphics 630 Prives SSD Yes; Easy to replace Memory capacity 256 Gbyte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory Number of slots Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A·h	 permissible range, upper limit 	63 Hz
Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel CM246 Hyper-threading Yes Turbo Boost Technology 2.0 Yes Graphic Graphic Graphic UHD Graphics 630 Drives SSD Yes; Easy to replace • Memory capacity 256 Gbyte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory • Number of slots 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A-h	Processor	
Hyper-threading Turbo Boost Technology 2.0 Yes Graphic Graphic Graphics controller Intel® UHD Graphics 630 Drives SSD Yes; Easy to replace • Memory capacity 256 Gbyte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory • Number of slots 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A-h	Processor type	Cache) or i7-8850H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart
Turbo Boost Technology 2.0 Graphic Graphic Graphics controller Intel® UHD Graphics 630 Drives SSD Memory capacity Type of memory Number of slots Accumulator Replaceable Yes Yes Yes Easy to replace 256 Gbyte; Up to 2 TB SSD Yes; 2.0 (version for China without TPM) DDR4 SO-DIMM 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A-h	Chipset	Intel CM246
Graphic Graphics controller Drives SSD Yes; Easy to replace • Memory capacity TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory • Number of slots Accumulator Replaceable Capacity SSD Yes; Easy to replace 256 Gbyte; Up to 2 TB SSD Yes; 2.0 (version for China without TPM) DDR4 SO-DIMM Yes; Can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Yes; Lithium-ion battery Sapacity 8.25 A-h	Hyper-threading	Yes
Graphics controller Drives SSD Yes; Easy to replace ● Memory capacity 256 Gbyte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Memory DDR4 SO-DIMM Work memory Pumber of slots Accumulator 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Yes; Lithium-ion battery Capacity 8.25 A·h	Turbo Boost Technology 2.0	Yes
SSD Memory capacity Pes; Easy to replace Memory capacity TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory Number of slots Accumulator Replaceable Yes; Lithium-ion battery 8.25 A·h	Graphic	
SSD Memory capacity ≥56 Gbyte; Up to 2 TB SSD TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory Number of slots 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery 8.25 A·h	Graphics controller	Intel® UHD Graphics 630
● Memory capacity TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory ● Number of slots Accumulator Replaceable Capacity 256 Gbyte; Up to 2 TB SSD Yes; 2.0 (version for China without TPM) DDR4 SO-DIMM Yes and be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery 8.25 A·h	Drives	
TPM Security Chip Yes; 2.0 (version for China without TPM) Memory Type of memory DDR4 SO-DIMM Work memory ● Number of slots 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A·h	SSD	Yes; Easy to replace
Memory DDR4 SO-DIMM Work memory ● Number of slots 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Replaceable Yes; Lithium-ion battery Capacity 8.25 A·h	 Memory capacity 	256 Gbyte; Up to 2 TB SSD
Type of memory Work memory Number of slots 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A·h	TPM Security Chip	Yes; 2.0 (version for China without TPM)
Work memory	Memory	
Number of slots 2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A·h	Type of memory	DDR4 SO-DIMM
Accumulator Replaceable Yes; Lithium-ion battery Capacity 8.25 A·h	Work memory	
Replaceable Yes; Lithium-ion battery Capacity 8.25 A·h	 Number of slots 	2; can be equipped with 1x 8 GB, 1x 16 GB, 1x 32 GB or 2x32 GB
Capacity 8.25 A·h	Accumulator	
	Replaceable	Yes; Lithium-ion battery
Interfaces	Capacity	8.25 A·h
	Interfaces	

Number of interfered DDOCIDUO DD	4. 4v PROFIDITO DR / MRI O sis Cub Reservice COLD 11. 40 MR
Number of Interfaces PROFIBUS DP	1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud
Number of RS 232 interfaces Number of USB interfaces	1; 25-pin socket 4
	3; 1x USB port incl. integrated charging function for USB devices (e.g.
• Type A	smartphone) - also with device switched off
• Type C	1; USB 3.1 Gen. 2
Number of chip-card readers	1; Smart Card Reader (ISO/IEC 7816)
Bluetooth radio standard	Yes; V5.0
Multimedia card/SD card slot	2 in 1 (SDHC UHS-II, MMC) SIMATIC memory cards (for S7-300/400), SMC (for S7-1x00), SIMATIC micro
Card reader for SIMATIC memory cards	memory card (for S7-300/C7/ET 200) - including programming interfaces
Universal Audio Jack	Yes; Audio socket for 3.5 mm jack
Video interfaces	Vacuusia adaptas fram DVII to VCA
analog video signal (VGA) DV/L	Yes; via adapter from DVI to VGA
DVI-I Display Part	Yes; 1x
DisplayPort	Yes; 1x
Industrial Ethernet	0. 511 (1.70145)
Industrial Ethernet interface	2x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
Wake on LAN	Yes
IAMT (Intel Active Management Technology)	Yes
WLAN	
• Type	802.11ac
Interrupts/diagnostics/status information	
LED status display	Battery status, device status, access to HDD/DVD, access to SD/MMC, MPI/DP, S5 and S7 modules / Card Reader (except Smart Card Reader), Num Lock, Caps Lock, WLAN active
EMC	
Interference immunity against discharge of static electricity	
 Interference immunity against discharge of static electricity acc. to IEC 61000-4-2 	Yes; ±4 kV contact discharge acc. to IEC 61000-4-2, ESD; ±8 kV air discharge acc. to IEC 61000-4-2, ESD
Interference immunity to cable-borne interference	
Interference immunity on supply cables	±2 kV (according to IEC 61000-4-4, burst); ±1 kV (according to IEC 61000-4-5, surge pulse/line to line); ±2 kV (according to IEC 61000-4-5, surge pulse/line to ground)
Interference immunity on signal cables	±1 kV (according to IEC 61000-4-4, burst, length < 30 m); ±2 kV (according to IEC 61000-4-4, burst, length > 30 m); ±2 kV (according to IEC 61000-4-5, surge sym./line to ground, length > 30 m)
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
DIN/ISO 9001	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	5 °C; Max. 10 °C/h (no condensation)
• max.	40 °C; Max. 10 °C/h (no condensation)
Ambient temperature during storage/transportation	,
min.	-20 °C; Max. 20 °C/h (no condensation)
• max.	60 °C; Max. 20 °C/h (no condensation)
Relative humidity	55 5, max. 25 5/11 (no solidonodustr)
Operation, min.	5 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC
- Operation, min.	60068-2-30, IEC 60068-2-14
Operation, max.	85 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14
Vibrations	
 Operation, tested according to IEC 60068-2-6 	Yes
Shock testing	
• tested according to IEC 60068-2-27	Yes
Operating systems	
Local language of operating system	Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)
pre-installed operating system	

Preinstalled Preinstalled STEP 7 Professional (TIA Portal) STEP 7 Yes; software version: V16 STEP 7 Yes; Professional 2017 SR2 WinCC flexible Advanced 2008 WinCC Advanced (TIA Portal) STEP 5 Yes; Software version: SP5 Yes; Software version: V16 STEP 5 Yes; Optional; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/ill V7.15) Mechanics/material Material of housing metal Handle Yes; retractable Socket for Kensington lock Yes Tubber corner guards Yes Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes Made in Germany: development and production in Germany	Windows 10	Yes; Windows 10 Enterprise 64-bit
● STEP 7 Professional (TIA Portal) ● STEP 7 ● WinCC flexible Advanced 2008 ● WinCC Advanced (TIA Portal) ● STEP 5 ● WinCC Advanced (TIA Portal) ● STEP 5 ● WinCC Advanced (TIA Portal) ● STEP 5 Wes; software version: SP5 ▼es; software version: V16 ▼es; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/II V7.15) Mechanics/material	Software	
STEP 7 WinCC flexible Advanced 2008 WinCC Advanced (TIA Portal) STEP 5 WinCC Advanced (TIA Portal) STEP 5 Yes; software version: V16 Yes; Optional; software version: STEP 5 V7.23 HF2 (Incl. GRAPH 5/II V7.15) Mechanics/material Material of housing metal Handle Yes; retractable Socket for Kensington lock Yes rubber corner guards Yes Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	Preinstalled	
WinCC flexible Advanced (TIA Portal) WinCC Advanced (TIA Portal) STEP 5 Yes; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/II V7.15) Wechanics/material Material of housing Metal Handle Yes; retractable Socket for Kensington lock Yes Tubber corner guards Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Power supply Backpack SIMATIC Software Yes Power guards Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	 STEP 7 Professional (TIA Portal) 	Yes; software version: V16
● WinCC Advanced (TIA Portal) ● STEP 5 Yes; software version: V16 Yes; Optional; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/II V7.15) Mechanics/material Material of housing metal Handle Yes; retractable Socket for Kensington lock Yes rubber corner guards Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. Scope of supply Accumulator Yes Power supply Backpack SIMATIC Software Recovery media Yes Yes Potential Yes; software version: V16 Yes; optional; software version: V16 Yes; optional; software version: V16 Yes; retractable Yes Post optional; software version: V16 Yes Post optional; software version: V16 Yes Potential; software version: V16 Yes, optional; software version: V16 Yes, retractable Yes, retractable Yes, retractable Yes Somm Power supply Yes Simatic Software Yes Recovery media Yes; Restore & Recovery Other free hotline	• STEP 7	Yes; Professional 2017 SR2
◆ STEP 5 Yes; Optional; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/II V7.15) Mechanics/material Material of housing metal Handle Yes; retractable Socket for Kensington lock Yes rubber corner guards Yes Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes Recovery media Yes Free hotline Yes	 WinCC flexible Advanced 2008 	Yes; Software version: SP5
Mechanics/material Material of housing metal Handle Yes; retractable Socket for Kensington lock Yes rubber corner guards Yes Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other Yes	 WinCC Advanced (TIA Portal) 	Yes; software version: V16
Material of housing metal Handle Yes; retractable Socket for Kensington lock Yes rubber corner guards Yes Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes Fee hotline Metal Metal Metal Yes; retractable Yes 185 mm 185 mm 275 mm Weight, approx 3.4 kg; incl. rechargeable battery Yes Power supply Yes Recovery media Yes; Restore & Recovery	• STEP 5	Yes; Optional; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/II V7.15)
Handle Yes; retractable Socket for Kensington lock Yes rubber corner guards Yes Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	Mechanics/material	
Socket for Kensington lock rubber corner guards Ves Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	Material of housing	metal
rubber corner guards Pimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	Handle	Yes; retractable
Dimensions Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. Scope of supply Yes Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other Yes	Socket for Kensington lock	Yes
Width 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. Scope of supply Yes Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other Yes	rubber corner guards	Yes
Height 53 mm Depth 275 mm Weights Weight, approx. Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Yes Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other Yes	Dimensions	
Depth 275 mm Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	Width	385 mm
Weights Weight, approx. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Recovery media Yes; Restore & Recovery Other free hotline Yes	Height	53 mm
Weight, approx. Scope of supply Accumulator Power supply Backpack SIMATIC Software Recovery media Yes; Restore & Recovery Other free hotline 3.4 kg; incl. rechargeable battery Yes Yes Yes Yes Yes Recovery Recovery Yes Yes Yes Yes Yes Yes Yes Ye	Depth	275 mm
Scope of supply Accumulator Power supply Backpack SIMATIC Software Recovery media Yes; Restore & Recovery Other free hotline Yes	Weights	
Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other Yes	Weight, approx.	3.4 kg; incl. rechargeable battery
Power supply Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	Scope of supply	
Backpack Yes SIMATIC Software Yes Recovery media Yes; Restore & Recovery Other free hotline Yes	Accumulator	Yes
SIMATIC Software Recovery media Yes; Restore & Recovery Other free hotline Yes	Power supply	Yes
Recovery media Yes; Restore & Recovery Other free hotline Yes	Backpack	Yes
Other Free hotline Yes	SIMATIC Software	Yes
free hotline Yes	Recovery media	Yes; Restore & Recovery
	Other	
Note: Made in Germany: development and production in Germany	free hotline	Yes
	Note:	Made in Germany: development and production in Germany

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