## SIEMENS

## Data sheet

## 6ES7730-1AB20-0BC0

SIMATIC IPC MD-57A 15.6" display Full HD (1920x 1080); Wi-Fi 6E Bluetooth V5.3 2x USB-C Gen 4; 3x USB-A Gen 3.2 x 2 1x USB-A Gen 2 2x RJ45 1GbE 1x HDMI 1.4b Intel® Core i7-12800HE processor (20 threads, 24 MB cache, up to 4.60 GHz) Intel® Iris® Xe graphics eligible 32 GB DDR5 SDRAM SO-DIMM 2 TB power supply cord with power plug: Europe; keyboard: QWERTZ without slider Windows 11 IoT Enterprise (version 22H2) 64-bit; with recovery USB flash drive STEP 7 & WinCC & Safety Combo: STEP 7 Professional Combo (V19 & 2021 SR2), WinCC Advanced V19 &, Safety Advanced Combo (V19 & Distributed V5.4 SP5) n/a

General information           Design of the programming device           Display           Object           Design of display           Screen diagonal           8 Soliton (pixels)           • Horizontal image resolution           1 920 pixel           • Vortical image resolution           • Vortical image resolution           • Non-reflecting           • Non-reflecting           • Type of backlighting           • LED           Control elements           Totach operation           • Integrated touch pad           Yes           Suppity vortage           Partical discurse           • Integrated touch pad           Yes           Suppity vortage           Permissible range, lower limit (AC)           100 V:10 %, sinusoidal           permissible range, lower limit (AC)           20 Yes           Processor           Processor           Processor           Processor           Chrow           OvD-ROM           No           DVD-ROM           No           DVD-ROM           Non           DVD-ROM		
Display         15.6° full HD display in 16:9 format           Screen diagonal         15.6° full HD display in 16:9 format           Resolution (basis)         1920 pixel                • Horizontal image resolution         1920 pixel           Central features         1080 pixel                • Non-refloring         Yes                • Luminance         300 cd/m³           Backlighting         IED                • Type of backlighting         IED                • Integrated touch pad         Yes           Supply voltage             Rated value (DC)         19 V           permissible range, upper limit (AC)         100 V; ±10 %, sinusoidal           Integrated touch pad         Yes           Supply voltage                  • permissible range, upper limit (AC)         100 V; ±10 %, sinusoidal           Interferencew                  • permissible range, upper limit (AC)         240 V; ±10 %, sinusoidal           Interferencew                  • permissible range, upper limit (AC)         Yes           Graphics controller             Myper-Interading         Yes           Graphics controlle		
Design of display         15.6° full HD display in 16.9 format           Screen diagonal         15.6 in           Resolution (keels)         1920 pixel           • Vertical image resolution         1 920 pixel           • Non-reflecting         Yes           • Luminance         300 ocdm <sup>2</sup> Backlighting         LED           Control elements         Touch operation           • Integrated touch pad         Yes           Supply voltage         Rated value (DC)         19 V           permissible range, upper limit (AC)         100 V. ±10 %, sinusoidal           permissible range, upper limit         47 Hz           • permissible range, upper limit         47 Hz           • permissible range, upper limit         47 Hz           • permissible range, upper limit         63 Hz           Processor         Yes           Craphics controller         Intel® Ins® X: Integrated Graphics Controller           Orives         Intel® Ins® X: Integrated Graphics Controller           Over RW         No           SSD         Yes		Mobile computer
Screen diagonal     15.6 in       Resolution (pixels)     1920 pixel       • Horicontal image resolution     1920 pixel       General features     300 od/m*       Backlighting     1       • Type of backlighting     LED       Control elements     1       Touch operation     199 V       e Integrated touch pad     Yes       Supply voltage     199 V       Permissible range, tower limit (AC)     190 V; 10%, sinusoidal       permissible range, tower limit (AC)     240 V; 10%, sinusoidal       Itemetery     100 V; 10%, sinusoidal       Processor     190 V       Processor     190 V       Processor     190 V       CDRW     240 V; 10%, sinusoidal       Processor     100 V; 10%, sinusoidal       Corphic     Corphic Sontroller       Processor     100 V; 10%, sinusoidal       Corphic     Yes <tr< td=""><td></td><td></td></tr<>		
Resolution (pixels)     1 920 pixel       • Vertical image resolution     1 920 pixel       General features     1 080 pixel       General features     300 cdm³       Backlighting     LED       • Type of backlighting     LED       Ontrol elements     Control elements       Touch operation     19 V       permissible range, lower limit (AC)     19 V       permissible range, upper limit (AC)     240 V: 10 %, sinusoidal       permissible range, upper limit (AC)     240 V: 10 %, sinusoidal       Processor     Filterquency       Hyper-Threading     Yes       Graphic     Graphic       Graphic controller     Mediy filtely bixely X-Integrated Graphics Controller       Drives     CP-RW       OVD-RW     No       DVD-RW     No       SDD     Yes       • Memory capacity     512 Golyte Up to 2 TB SSD       TRM     Yes       Memory     Yes       • Memory capacity     512 Golyte, Up to 2 TB SSD       TRM     2       • Accumulator     Yes       • Memory capacity     512 Golyte, Up to 2 TB SSD       Truck Gols     2       • Memory capacity     512 Golyte, Up to 2 TB SSD       Truck Gols     2       • Memory capacity     51	Design of display	15.6" full HD display in 16:9 format
• Horizontal image resolution     1 920 pixel       • Vertical image resolution     1 980 pixel       • Non-reflecting     Yes       • Non-reflecting     Yes       • Luminance     300 dottm <sup>21</sup> Backlighting        • Type of backlighting     LED       Control elements        Touch operation        • Integrated touch pad     Yes       Supply voltage        Rated value (CO)     19 V       permissible range, lower limit (AC)     100 V; ±10 %, sinusoidal       permissible range, lower limit (AC)     100 V; ±10 %, sinusoidal       Line frequency        • permissible range, lower limit (AC)     240 V; ±10 %, sinusoidal       Line frequency        • permissible range, lower limit (AC)     247 Hz       • permissible range, lower limit (AC)     247 Hz       • permissible range, lower limit (AC)     47 Hz       • permissible range, lower limit (AC)     Yes       • frequency        • permissible range, lower limit (AC)     Yes       Turbe Socit Technology 2.0     Yes       Corphic        Graphics Controller     Intel® Ins® X* Integrated Graphics Controller       DrVb-ROM     No       DVD-ROM     No       DVD-ROM	Screen diagonal	15.6 in
• Vertical image resolution         1 080 pixel           General teatures	Resolution (pixels)	
General features     Yes       • Non-reflecting     Yes       • Luminance     300 cd/m²       Backlighting     LED       • Type of backlighting     LED       • Integrated touch pad     Yes       Supply voltage     Reter value (DC)       19 V     19 V       permissible range, lower limit (AC)     10 V ; ±10 %, sinusoidal       inter frequency     240 V; ±10 %, sinusoidal       • permissible range, lower limit     47 Hz       • permissible range, upper limit     63 Hz       Processor     Ves       Turbo Boost Technology 2.0     Yes       Graphic     Intel® Iris® X* Integrated Graphics Controller       DvD-ROM     No       DVD-ROM     No       DVD-RW     No       Hard disk     No       SSD     Yes       • Memory     Yes       • Memory     Yes       Tob Scale     Z       Accumulator     Yes       Replaceable     Yes       • Memory     Yes       Replaceable     Yes       Capacity     A h       Intel® FiseD V / PI	<ul> <li>Horizontal image resolution</li> </ul>	1 920 pixel
• Non-reflecting     Yes       • Luminance     300 od/m³       Backlighting     • Type of backlighting       • Type of backlighting     LED       Control elements     •       Touch operation     •       • Integrated touch pad     Yes       Supply voltage     •       Rated value (DC)     19 V       permissible range, tower limit (AC)     100 V: 10 %, sinusoidal       permissible range, tower limit (AC)     240 V; ±10 %, sinusoidal       Line frequency     •       • permissible range, lower limit     47 Hz       • permissible range, lower limit     63 Hz       Processor     •       Hyper-Inreading     Yes       Turbo Boost Technology 2.0     Yes       Graphic     Intel% Ir/s® X* Integrated Graphics Controller       Drives     •       CD-RW     No       DVD-ROM     No       DVD-ROM     No       SSD     Yes       • Memory capacity     512 Gkyte; Up to 2 TB SSD       * TMS Sout Jobis     2       • Accumulator     •       • Memory     Yes       • Memory     Yes       • Memory     Yes       • Memory     Yes       • Capacity     8 Arh       Intelfaces PROFIBUS	<ul> <li>Vertical image resolution</li> </ul>	1 080 pixel
• Luminance     300 cd/m³       Backlighting     LED       • Type of backlighting     LED       Control elemonts     Touch operation       • Integrated touch pad     Yes       Supply voltage     19 V       Rated value (DC)     19 V       permissible range, lower limit (AC)     100 V; ±10 %, sinusoidal       Line frequency     47 Hz       • permissible range, upper limit     63 Hz       Processor     Yes       Turbo Boost Technology 2.0     Yes       Graphic     Graphic       CD-RW     No       DVD-ROM     No       DVD-ROM     No       SSD     Yes       • Memory capacity     512 Gkyte; Up to 2 TB SSD       TPM Security Chip     Yes       • Memory     2       • Accumulator     2       Reaceable     Yes       TPM Security Chip     Yes       Tegraphic     2       * Memory     2       Accumulator     2       Reaceable     Yes       Theore Stott     2       * Memory     2       * Memory     8 Ah       Theore Stott     2       * Memory     8 Ah       Theore Stott     2       Capacity     8	General features	
Backlighting       LED         • Type of backlighting       LED         Control elements       ED         • Integrated touch pad       Yes         Supply voltage       Rated value (DC)         Permissible range, lower limit (AC)       19 V         permissible range, lower limit (AC)       240 V; ±10 %, sinusoidal         permissible range, lower limit (AC)       240 V; ±10 %, sinusoidal         permissible range, lower limit       47 Hz         • permissible range, upper limit       63 Hz         Processor       Hyper-threading         Hyper-threading       Yes         Turbo Boost Technology 2.0       Yes         Graphic       Intel® Iris® X- Integrated Graphics Controller         Orbros       OD-RW         DVD-RW       No         DVD-RW       No         PAR       No         SSD       Yes         • Memory capacity       512 Gbyte: Up to 2 TB SSD         TPM Security Chip       Yes         • Memory       Yes         • Number of slots       2         Accumulator       Yes         Replaceable       Yes         Capacity       512 Gbyte: Up to 2 TB SSD         TPM Security Chip	<ul> <li>Non-reflecting</li> </ul>	Yes
• Type of backlighting     LED       Control elemants     Touch operation       • Integrated fouch pad     Yes       Supply voltage     19 V       Rated value (DC)     19 V       permissible range, lower limit (AC)     100 V; ±10 %, sinusoidal       permissible range, upper limit (AC)     240 V; ±10 %, sinusoidal       Line frequency     47 Hz       • permissible range, lower limit     63 Hz       Processor     100 V; ±10 %, sinusoidal       Processor     Yes       Turbo Boost Technology 2.0     Yes       CP-RW     No       DVD-RW     No       DVD-RW     No       Hard disk     No       SSD     Yes       • Memory capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       • Number of slots     2 <t< td=""><td>Luminance</td><td>300 cd/m<sup>2</sup></td></t<>	Luminance	300 cd/m <sup>2</sup>
Control elements         Touch operation         • Integrated touch pad       Yes         Supply voltage         Rated value (DC)       19 V         permissible range, lower limit (AC)       100 V; ±10 %, sinusoidal         permissible range, upper limit (AC)       240 V; ±10 %, sinusoidal         Line frequency       •         • permissible range, upper limit       47 Hz         • permissible range, upper limit       63 Hz         Processor       •         Hyper-threading       Yes         Turb Boost Technology 2.0       Yes         Graphic       •         Graphic sontroller       Intel® Iris® X* Integrated Graphics Controller         Drives       •         CD-RW       No         DVD-RW       No         Hard disk       No         SSD       Yes         • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Memory       •         • Number of stots       2         Accumulator       Zes         Replaceable       Yes         Capacity       8 A:h         Interfaces       Yes         Capacity       8 A:h<	Backlighting	
Touch operation     Integrated touch pad     Yes       Supply voltage     Rated value (DC)     19 V       permissible range, lower limit (AC)     100 V; ±10 %, sinusoidal       permissible range, upper limit (AC)     240 V; ±10 %, sinusoidal       Line frequency     47 Hz       • permissible range, lower limit     47 Hz       • permissible range, lower limit     63 Hz       Processor     100 V; ±10 %, sinusoidal       Hyper-threading     Yes       Turbo Boost Technology 2.0     Yes       Graphic     1100 Vies® X° Integrated Graphics Controller       Drives     0       CD-RW     No       DVD-ROM     No       DVD-ROM     No       SSD     Yes       • Memory capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       Memory     Ves       Mork memory     2       Accumulator     2       Replaceable     Yes       Capacity     8 A.h       Interfaces     11 xt PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud	<ul> <li>Type of backlighting</li> </ul>	LED
• Integrated touch pad       Yes         Supply voltage	Control elements	
Supply voltage           Rated value (DC)         19 V           permissible range, lower limit (AC)         100 V; ±10 %, sinusoidal           permissible range, upper limit (AC)         240 V; ±10 %, sinusoidal           Line frequency         47 Hz           • permissible range, lower limit         47 Hz           • permissible range, upper limit         63 Hz           Processor         Hyper-threading           Turbo Boost Technology 2.0         Yes           Graphic         Intel® Iris® X* Integrated Graphics Controller           Drives         CD-RW           CD-RW         No           DVD-ROM         No           DVD-RW         No           Hard disk         No           SSD         Yes           • Memory capacity         512 Gbyte; Up to 2 TB SSD           TPM Security Chip         Yes           Memory         Vork memory           • Number of slots         2           Accumulator         Yes           Replaceable         Yes           Capacity         8 A·h           Interfaces         Yes	Touch operation	
Rated value (DC)     19 V       permissible range, lower limit (AC)     100 V; ±10 %, sinusoidal       permissible range, upper limit (AC)     240 V; ±10 %, sinusoidal       Line frequency     •       • permissible range, lower limit     47 Hz       • permissible range, upper limit     63 Hz       Processor     •       Hyper-threading     Yes       Turbo Boost Technology 2.0     Yes       Graphics     •       OrVes     •       CD-RW     No       DVD-ROM     No       DVD-RW     No       Hard disk     No       SSD     Yes       • Memory capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       Memory     •       Number of slots     2       Accumulator     Yes       Replaceable     Yes       Capacity     8 A h       Interfaces     Yes	<ul> <li>Integrated touch pad</li> </ul>	Yes
permissible range, lower limit (AC)     100 V; ±10 %, sinusoidal       permissible range, upper limit (AC)     240 V; ±10 %, sinusoidal       Line frequency     47 Hz       • permissible range, upper limit     63 Hz       Processor     47 Hz       Hyper-threading     Yes       Turbo Boost Technology 2.0     Yes       Graphic     Graphic       Graphic     Intel® Iris® X* Integrated Graphics Controller       Drives     0       CD-RW     No       DVD-ROM     No       DVD-ROM     No       SSD     Yes       • Memory capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       Memory     Vork memory       • Number of slots     2       Accumulator     Yes       Capacity     8 A h       Interfaces PROFIBUS DP     1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 KBaud to 12 MBaud	Supply voltage	
permissible range, lower limit (AC)         100 V; ±10 %, sinusoidal           permissible range, upper limit (AC)         240 V; ±10 %, sinusoidal           Line frequency         47 Hz           • permissible range, upper limit         63 Hz           Processor         47 Hz           Hyper-threading         Yes           Turbo Boost Technology 2.0         Yes           Graphic         Graphic Scontroller           Drives         Intel® Iris® X* Integrated Graphics Controller           Drives         Ves           CD-RW         No           DVD-ROM         No           DVD-ROM         No           SSD         Yes           • Memory capacity         512 Gbyte; Up to 2 TB SSD           TPM Security Chip         Yes           Memory         Vork memory           • Number of slots         2           Accumulator         2           Accumulator         Yes           Replaceable         Yes           Capacity         8 A-h		19 V
permissible range, upper limit (AC)     240 V; ±10 %, sinusoidal       Line frequency     47 Hz       • permissible range, lower limit     47 Hz       • permissible range, upper limit     63 Hz       Processor     47       Hyper-threading     Yes       Turbo Boost Technology 2.0     Yes       Graphic     Intel® Iris® X* Integrated Graphics Controller       Drives     0       CD-RW     No       DVD-ROM     No       DVD-ROM     No       SD     Yes       • Memory capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       Memory     2       Accumulator     2       Replaceable     Yes       Capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       Memory     2       • Number of slots     2       Accumulator     Yes       Replaceable     Yes       Capacity     8 A-h       Interfaces     Yes       Capacity     8 A-h	permissible range, lower limit (AC)	100 V; ±10 %, sinusoidal
Line frequency         • permissible range, lower limit       47 Hz         • permissible range, upper limit       63 Hz         Processor		
• permissible range, lower limit     47 Hz       • permissible range, upper limit     63 Hz       Processor		
• permissible range, upper limit       63 Hz         Processor		47 Hz
Processor         Hyper-threading       Yes         Turbo Boost Technology 2.0       Yes         Graphic       Intel® Iris® Xe Integrated Graphics Controller         Drives       CD-RW         DVD-ROM       No         DVD-RW       No         Hard disk       No         SSD       Yes         • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Memory       Vork memory         • Number of slots       2         Accumulator       Yes         Capacity       8 A-h         Interfaces       Yes         Number of interfaces PROFIBUS DP       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		63 Hz
Hyper-threading       Yes         Turbo Boost Technology 2.0       Yes         Graphic       Intel® Iris® X <sup>e</sup> Integrated Graphics Controller         Drives       CD-RW         DVD-ROM       No         DVD-RW       No         Hard disk       No         SSD       Yes         • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         • Number of slots       2         Accumulator       Yes         Capacity       8 A-h         Interfaces       Yes         Number of interfaces PROFIBUS DP       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Turbo Boost Technology 2.0     Yes       Graphic     Intel® Iris® X* Integrated Graphics Controller       Drives       CD-RW     No       DVD-ROM     No       DVD-RW     No       Hard disk     No       SSD     Yes       • Memory capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       Memory     Vork memory       • Number of slots     2       Accumulator     Replaceable     Yes       Capacity     3 A-h       Interfaces     1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		Yes
Graphic         Graphics controller       Intel® Iris® X* Integrated Graphics Controller         Drives         CD-RW       No         DVD-ROM       No         DVD-RW       No         Hard disk       No         SSD       Yes         • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Memory       Vork memory         • Number of slots       2         Accumulator       Yes         Replaceable       Yes         Capacity       8 A-h         Interfaces       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Graphics controller       Intel® Iris® X* Integrated Graphics Controller         Drives       CD-RW         DVD-ROM       No         DVD-RW       No         Hard disk       No         SSD       Yes         • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Work memory       Ves         • Number of slots       2         Accumulator       Yes         Replaceable       Yes         Capacity       8 A-h         Interfaces       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Drives       CD-RW     No       DVD-ROM     No       DVD-RW     No       Hard disk     No       SSD     Yes       • Memory capacity     512 Gbyte; Up to 2 TB SSD       TPM Security Chip     Yes       Memory     Yes       Memory     Yes       Memory     Yes       Momory     Yes       Vork memory     2       Accumulator     Yes       Replaceable     Yes       Capacity     8 A-h       Interfaces     1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		Intel® Iris® Xe Integrated Granhics Controller
CD-RW       No         DVD-ROM       No         DVD-RW       No         Hard disk       No         SSD       Yes         • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Memory       Yes         Memory       Yes         Momory       Yes         Vork memory       2         Accumulator       2         Replaceable       Yes         Capacity       8 A-h         Interfaces       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud	·	
DVD-ROMNoDVD-RWNoHard diskNoSDYes• Memory capacity512 Gbyte; Up to 2 TB SSDTPM Security ChipYesMemoryYesMemoryYesMemoryYesPork memory2• Number of slots2AccumulatorYesReplaceableYesCapacity8 A-hInterfaces1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		No
DVD-RW       No         Hard disk       No         SSD       Yes         • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Memory       Yes         Memory       Yes         Memory       Yes         Memory       Yes         Memory       2         Accumulator       2         Replaceable       Yes         Capacity       8 A·h         Interfaces       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Hard diskNoSSDYes• Memory capacity512 Gbyte; Up to 2 TB SSDTPM Security ChipYesMemoryYesMemoryYesMork memory2• Number of slots2AccumulatorYesReplaceableYesCapacity8 A-hInterfaces1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
SSD       Yes            • Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Memory       Yes         Memory       Vork memory            • Number of slots       2         Accumulator       Yes         Replaceable       Yes         Capacity       8 A-h         Interfaces       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
• Memory capacity       512 Gbyte; Up to 2 TB SSD         TPM Security Chip       Yes         Memory       Vork memory         • Number of slots       2         Accumulator       2         Replaceable       Yes         Capacity       8 A-h         Interfaces       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
TPM Security Chip     Yes       Memory     Yes       Work memory     • Number of slots       • Number of slots     2       Accumulator     2       Replaceable     Yes       Capacity     8 A·h       Interfaces     1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Memory         Work memory         • Number of slots       2         Accumulator         Replaceable       Yes         Capacity       8 A·h         Interfaces         Number of interfaces PROFIBUS DP       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Work memory <ul> <li>Number of slots</li> <li>2</li> </ul> Accumulator         Replaceable       Yes         Capacity       8 A-h         Interfaces         Number of interfaces PROFIBUS DP       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		Tes
• Number of slots     2       Accumulator       Replaceable     Yes       Capacity     8 A·h       Interfaces       Number of interfaces PROFIBUS DP     1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Accumulator         Replaceable       Yes         Capacity       8 A·h         Interfaces         Number of interfaces PROFIBUS DP       1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Replaceable     Yes       Capacity     8 A·h       Interfaces     Interfaces       Number of interfaces PROFIBUS DP     1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		2
Capacity     8 A-h       Interfaces     1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Interfaces           Number of interfaces PROFIBUS DP         1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		
Number of interfaces PROFIBUS DP         1; 1x PROFIBUS DP / MPI; 9-pin Sub-D socket; 9.6 kBaud to 12 MBaud		8 A·h
	Interfaces	
Number of RS 232 interfaces 1		
	Number of RS 232 interfaces	1

Number of USB interfaces	6
• Type A	4
• Type C	2
Number of chip-card readers	1; Smart Card Reader (ISO/IEC 7816)
MPI	Yes
Bluetooth radio standard	Yes; V5.3
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	No
Video interfaces	
<ul> <li>analog video signal (VGA)</li> </ul>	Yes
• DVI-I	Yes
DisplayPort	Yes
Industrial Ethernet	
<ul> <li>Industrial Ethernet interface</li> </ul>	2x Ethernet (RJ45)
— 100 Mbps	Yes
 1000 Mbps	Yes; Gigabit Ethernet; 2x RJ45 with 2 independent MAC/IP addresses
Wake on LAN	Yes
IAMT (Intel Active Management Technology)	Yes
EMC	
Interference immunity against discharge of static electricity	
<ul> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2</li> </ul>	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	
	(21)/(according to IEC (4000.4.4, burgh), (41)/(according to IEC (4000.4.5))
<ul> <li>Interference immunity on supply cables</li> </ul>	±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)
Degree and class of protection	sym.mine to ground, length < 30 m/
Degree and class of protection	
IP degree of protection	IP30
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	
	E 9/ At 20 °C/b (no condensation). Tested acception to 150 00000 0.70 150
• Operation, min.	5 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 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	
Vibrations <ul> <li>Operation, tested according to IEC 60068-2-6</li> </ul>	
	60068-2-30, IEC 60068-2-14
Operation, tested according to IEC 60068-2-6	60068-2-30, IEC 60068-2-14
<ul> <li>Operation, tested according to IEC 60068-2-6</li> <li>Shock testing</li> <li>tested according to IEC 60068-2-27</li> </ul>	60068-2-30, IEC 60068-2-14 Yes
<ul> <li>Operation, tested according to IEC 60068-2-6</li> <li>Shock testing</li> <li>tested according to IEC 60068-2-27</li> <li>tested according to IEC 60068-2-29</li> </ul>	60068-2-30, IEC 60068-2-14 Yes
Operation, tested according to IEC 60068-2-6 Shock testing     tested according to IEC 60068-2-27     tested according to IEC 60068-2-29 Operating systems	60068-2-30, IEC 60068-2-14 Yes Yes No
Operation, tested according to IEC 60068-2-6 Shock testing     tested according to IEC 60068-2-27     tested according to IEC 60068-2-29 Operating systems Local language of operating system	60068-2-30, IEC 60068-2-14 Yes
Operation, tested according to IEC 60068-2-6 Shock testing     e tested according to IEC 60068-2-27     e tested according to IEC 60068-2-29 Operating systems Local language of operating system pre-installed operating system	60068-2-30, IEC 60068-2-14 Yes Yes No Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)
Operation, tested according to IEC 60068-2-6 Shock testing     tested according to IEC 60068-2-27     tested according to IEC 60068-2-29 Operating systems Local language of operating system     pre-installed operating system     Windows 11	60068-2-30, IEC 60068-2-14 Yes Yes No Multi-Language User Interface (MUI): 6 languages (English, German, French,
Operation, tested according to IEC 60068-2-6 Shock testing     e tested according to IEC 60068-2-27     e tested according to IEC 60068-2-29 Operating systems Local language of operating system pre-installed operating system	60068-2-30, IEC 60068-2-14 Yes Yes No Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)
Operation, tested according to IEC 60068-2-6 Shock testing     tested according to IEC 60068-2-27     tested according to IEC 60068-2-29 Operating systems Local language of operating system     pre-installed operating system     Windows 11	60068-2-30, IEC 60068-2-14 Yes Yes No Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)
Operation, tested according to IEC 60068-2-6 Shock testing     tested according to IEC 60068-2-27     tested according to IEC 60068-2-29 Operating systems Local language of operating system     pre-installed operating system     Windows 11 Software	60068-2-30, IEC 60068-2-14 Yes Yes No Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)

• STEP 7	Yes
<ul> <li>WinCC flexible Advanced 2008</li> </ul>	Yes; Software version: SP5
<ul> <li>WinCC Advanced (TIA Portal)</li> </ul>	Yes
• STEP 5	No
Mechanics/material	
Material of housing	metal
Handle	Yes; retractable
Socket for Kensington lock	Yes
rubber corner guards	Yes
Dimensions	
Width	386 mm
Height	41 mm
Depth	281 mm
Weights	
Weight, approx.	2.8 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
Note:	Made in Germany: development and production in Germany

last modified:

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