SIEMENS

Data sheet

General information

6ES7718-0AA00-0CC3

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 8 GB DDR4 SD-RAM SO-DIMM; 256 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) - Horizontal image resolution - Vertical image resolution - Vertical image resolution - Vertical image resolution - Non-reflecting - Non-reflecting - Non-reflecting - Unminance - 300 cd/m² - Backlighting - Type of backlighting - UED - Control elements - Reyboard fonts - Design - OWERTZ/QWERTY or AZERTY (French); 87 keys - Touch operation - Integrated touch pad - Yes; Clickpad - Supply voltage - Design of the power supply - Design of the power supply - Design of the power supply - Powe	General information	
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Resolution (pixels)	Display	
Horizontal image resolution Vertical image resolution 1 080 pixel Vertical image resolution 1 1 080 pixel Hon-reflecting Non-reflecting Hon-reflecting Ho	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 • Type of backlighting • Type of backlighting • Design • Design Guttrol elements Keyboard fonts • Design • Design Touch operation • Integrated touch pad Supply voltage 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, upper limit 47 Hz • permissible range, upper limit 53 Hz Processor Processor Processor type Intel Core 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, 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, 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, 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, 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, 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, 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, 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, 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 a	Resolution (pixels)	
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■ Luminance Backlighting ■ Type of backlighting ■ Type of backlighting LED Control elements Keyboard fonts ■ Design Touch operation ■ Integrated touch pad Supply votinge Design of the power supply External wide-range power supply; 3-pole permissible range, lower limit (AC) permissible range, lower limit (AC) permissible range, lower limit ## The permissible range, upper limit ## The permissible range, upper limit ## The permissible range, upper limit ## The Processor Processor type Intel Core I5-8400H (2.5 to 4.2 GHz, 4 cores and hyper-threading, 8 MB Smart Cache) or I7-8650H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) or I7-8650H (2.6 to 4.3 GHz 6 cores and hyper-threading, 9 MB Smart Cache) Chipset Intel CM246 ## Hyper-threading Tyes Turbo Boost Technology 2.0 Yes Graphic Graphic controller Intel® UHD Graphics 630 Divises SSD Memory capacity Pescurity Chip Pescurity Chip Yes; Easy to replace Memory Memory Ped of memory Description Description Type of of memory Description Work memory Number of slots Pescuplaceable Yes; Lithium-ion battery External wide-range power supply: 87 EXERTY (French); 87 keys Tench AZERTY (French); 87 keys Type of hemory Yes; Lithium-ion battery External vide-range power supply: 98 Lithium-ion battery Type of memory Yes; Lithium-ion battery External vide-range power supply: 98 Lithium-ion battery External vide-range power supply: 98 Lithium-ion battery Processor LED **Countrol of the power supply: 98 Lithium-ion battery Processor LED **Countrol of the power supply: 98 Lithium-ion battery Processor **Countrol of the power supply: 98 Lithium-ion battery Processor **Countrol of the power supply: 98 Lithium-ion battery Processor **Countrol of the power supply: 98 Lithium-ion battery External vide-range power supply: 98 Lithium-ion battery External vide-range power supply: 98 Lithium-ion battery External vide-range power supply: 98 Lithium-ion battery **Countrol of the power supply: 98 Lithium-ion battery **Coun	General features	
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Control elements	Backlighting	
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● 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		
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Capacity 8.25 A·h		Yes: Lithium-ion hattery
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Number of interferen DDOFIDUO DD	4.4. PROFINIO PR (MRICO 1 O L P. LL COLP. LL COLP.
Number of DS 222 interfaces	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)
Card reader for SIMATIC memory cards	SIMATIC memory cards (for S7-300/400), SMC (for S7-1x00), SIMATIC micro memory card (for S7-300/C7/ET 200) - including programming interfaces
Universal Audio Jack	Yes; Audio socket for 3.5 mm jack
Video interfaces	Vancia adapta from DVI to VOA
analog video signal (VGA) DV/L	Yes; via adapter from DVI to VGA
DVI-I Display Port	Yes; 1x
DisplayPort	Yes; 1x
Industrial Ethernet	0 FIL (DIAE)
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	
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	
 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	Windows 10	Yes; Windows 10 Enterprise 64-bit
	Software	
STEP 7 WinCC flexible Advanced 2008 WinCC Advanced (TIA Portal) Yes; Software version: SP5 WinCC Advanced (TIA Portal) Yes; software version: V16 STEP 5 Yes; Optional; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/II V7.15) Mechanics/material	Preinstalled	
WinCC flexible Advanced 2008 WinCC Advanced (TIA Portal) Yes; software version: SP5 Yes; software version: V16 STEP 5 Yes; Optional; software version: STEP 5 V7.23 HF2 (incl. GRAPH 5/II V7.15) Mechanics/material	 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 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 Pes Backpack SiMATIC Software Recovery media Yes Recovery media Yes Resovery media Yes Fes Incl. Recovery Yes Resovery Yes Recovery Other free hotline Yes	• 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 Vidth 385 mm Height 53 mm Depth 275 mm Weights Weight, approx. Scope of supply Accumulator Power supply Yes Backpack Yes SiMATIC Software Yes Recovery media Yes; Restore & Recovery Other 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 free hotline 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 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 Other free hotline	• 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 Yes rubber corner guards Yes 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	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. 3.4 kg; incl. rechargeable battery Scope of supply Accumulator Yes Power supply Yes Backpack Yes SIMATIC Software Yes; Restore & Recovery Other free hotline Yes	rubber corner guards	Yes
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	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. 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	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 free hotline Yes	Weight, approx.	3.4 kg; incl. rechargeable battery
Power supply Backpack Yes SIMATIC Software 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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