

No longer available SIMATIC Field PG M5 Advanced; I7-6820EQ (2.8 to 3.5 GHz; 4 kernels+hyperthreading; 8 MB SMART cache); 15.6" display; Full HD (1920x 1080); WLAN 802.11AC & Bluetooth V4.0; DVD +/-RW; HD graphic 530 2x 16 GB DDR4 SD-RAM SO-DIMM 1 TB SSD SATA (2,5"); with S5 interface, with S5-EPROMMER; incl. STEP 5 license; incl. S5-AG cable and EPROM adapter; Line cable with power plug; Europe; Keyboard: QWERTZ/QWERTY Windows 7 Ultimate SP1, 64 bit License for STEP 7 Prof combo (V15 & 2017), WinCC Advanced combo (V15 & WinCC flexible 2008) Software version V14.0.1.0

General information	
Design of the programming device	Notebook
Display	
Design of display	15.6" full HD display in 16:9 format
Resolution (pixels)	
<ul style="list-style-type: none"> Horizontal image resolution Vertical image resolution 	1 920 pixel 1 080 pixel
General features	
<ul style="list-style-type: none"> Non-reflecting Luminance 	Yes 300 cd/m ²
Backlighting	
<ul style="list-style-type: none"> Type of backlighting 	LED
Control elements	
Keyboard	
<ul style="list-style-type: none"> Design 	QWERTZ/QWERTY or AZERTY (French); 87 keys
Touch operation	
<ul style="list-style-type: none"> 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
permissible range, upper limit (AC)	240 V; ±10 %, sinusoidal
Line frequency	
<ul style="list-style-type: none"> permissible range, lower limit permissible range, upper limit 	47 Hz 63 Hz
Processor	
Processor type	Intel Core i5-6440EQ (2.7 GHz to 3.4 GHz, 4 cores, 6 MB Smart Cache) or i7-6820EQ (2.8 GHz to 3.5 GHz, 4 cores, 8 MB Smart Cache)
Chipset	Mobile Intel QM170
Hyper-threading	Yes; for Intel Core i7 processor
Turbo Boost Technology 2.0	Yes
Graphic	
Graphics controller	Intel® HD graphics 530
Drives	
DVD-RW	Yes
Hard disk	Yes; Easy to replace
<ul style="list-style-type: none"> Memory capacity 	1 Tbyte; HDD
SSD	Yes; Easy to replace
<ul style="list-style-type: none"> Memory capacity 	512 Gbyte; Up to 1 TB SSD
TPM Security Chip	Yes; 2.0 (version for China without TPM)
Storage	
Type of memory	DDR4-SDRAM SO-DIMM
Work memory	
<ul style="list-style-type: none"> Number of slots 	2; Can be equipped with 1x 8 GB, 1x 16 GB or 2x 16 GB
Accumulator	
Replaceable	Yes; Lithium-ion battery

Capacity	8.8 A·h
Hardware configuration	
Slots	
• Number of ExpressCard slots	1; Type 34
Interfaces	
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	1; 25-pin socket
Number of USB interfaces	4; USB 3.0
• Type A	3; 1x USB port incl. integrated charging function for USB devices (e.g. smartphone) - also with device switched off
• Type C	1
Number of chip-card readers	1; Smart Card Reader (ISO/IEC 7816)
Bluetooth radio standard	Yes; V4.0
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	
• analog video signal (VGA)	Yes; via adapter from DVI to VGA
• DVI-I	Yes; 1x
• DisplayPort	Yes; 1x
Industrial Ethernet	
• Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes; Gigabit Ethernet; 2x RJ45 with 2 independent MAC/IP addresses
• Wake on LAN	Yes; Via Port 1
• 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 (to IEC 801-2/IEC 1000-4-2; ESD), ±8 kV air discharge (to IEC 801-2/IEC 1000-4-2; ESD)
Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	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	
• Windows 7	Yes; Ultimate 64 bit, SP1

Software																																					
Preinstalled																																					
<ul style="list-style-type: none"> • STEP 7 Professional 2010 • STEP 7 Professional (TIA Portal) • WinCC flexible Advanced 2008 • WinCC Advanced (TIA Portal) • STEP 5 	Yes; Software version: SR4 Yes; Software version: V14 Yes; Software version: SP3 Yes; Software version: V14 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; Restore & Recovery																																				
Other																																					
Note:	Made in Germany: development and production in Germany																																				
Classifications																																					
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Approvals / Certificates	
General Product Approval	Dangerous goods



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[Dangerous goods information](#)

Dangerous goods

[Test Summary Report UN 38.3](#)

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