

\*\*\*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 1x 16 GB DDR4 SD-RAM SO-DIMM 512 GB SSD SATA (2.5"); without S5 interface, without S5-EPROMMER 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) Version of the software V14.0.0.0

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"> <li>Horizontal image resolution</li> <li>Vertical image resolution</li> </ul>	1 920 pixel 1 080 pixel
General features	
<ul style="list-style-type: none"> <li>Non-reflecting</li> <li>Luminance</li> </ul>	Yes 300 cd/m <sup>2</sup>
Backlighting	
<ul style="list-style-type: none"> <li>Type of backlighting</li> </ul>	LED
Control elements	
Keyboard	
<ul style="list-style-type: none"> <li>Design</li> </ul>	QWERTZ/QWERTY or AZERTY (French); 87 keys
Touch operation	
<ul style="list-style-type: none"> <li>Integrated touch pad</li> </ul>	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"> <li>permissible range, lower limit</li> <li>permissible range, upper limit</li> </ul>	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"> <li>Memory capacity</li> </ul>	1 Tbyte; HDD
SSD	Yes; Easy to replace
<ul style="list-style-type: none"> <li>Memory capacity</li> </ul>	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"> <li>Number of slots</li> </ul>	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
<b>Hardware configuration</b>	
Slots	
<ul style="list-style-type: none"> <li>Number of ExpressCard slots</li> </ul>	1; Type 34
<b>Interfaces</b>	
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
<ul style="list-style-type: none"> <li>Type A</li> </ul>	3; 1x USB port incl. integrated charging function for USB devices (e.g. smartphone) - also with device switched off
<ul style="list-style-type: none"> <li>Type C</li> </ul>	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	
<ul style="list-style-type: none"> <li>analog video signal (VGA)</li> </ul>	Yes; via adapter from DVI to VGA
<ul style="list-style-type: none"> <li>DVI-I</li> </ul>	Yes; 1x
<ul style="list-style-type: none"> <li>DisplayPort</li> </ul>	Yes; 1x
Industrial Ethernet	
<ul style="list-style-type: none"> <li>Industrial Ethernet interface <ul style="list-style-type: none"> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul> </li> <li>Wake on LAN</li> <li>IAMT (Intel Active Management Technology)</li> </ul>	<p>Yes</p> <p>Yes; Gigabit Ethernet; 2x RJ45 with 2 independent MAC/IP addresses</p> <p>Yes; Via Port 1</p> <p>Yes</p>
WLAN	
<ul style="list-style-type: none"> <li>Type</li> </ul>	802.11ac
<b>Interrupts/diagnostics/status information</b>	
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
<b>EMC</b>	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> <li>Interference immunity against discharge of static electricity acc. to IEC 61000-4-2</li> </ul>	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)
<b>Standards, approvals, certificates</b>	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
<b>Ambient conditions</b>	
Ambient temperature during operation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	<p>5 °C; Max. 10 °C/h (no condensation)</p> <p>40 °C; Max. 10 °C/h (no condensation)</p>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> <li>min.</li> <li>max.</li> </ul>	<p>-20 °C; Max. 20 °C/h (no condensation)</p> <p>60 °C; Max. 20 °C/h (no condensation)</p>
Relative humidity	
<ul style="list-style-type: none"> <li>Operation, min.</li> <li>Operation, max.</li> </ul>	<p>5 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14</p> <p>85 %; At 30 °C/h (no condensation); Tested according to IEC 60068-2-78, IEC 60068-2-30, IEC 60068-2-14</p>
Vibrations	
<ul style="list-style-type: none"> <li>Operation, tested according to IEC 60068-2-6</li> </ul>	Yes
Shock testing	
<ul style="list-style-type: none"> <li>tested according to IEC 60068-2-27</li> </ul>	Yes
<b>Operating systems</b>	
Local language of operating system	Multi-Language User Interface (MUI): 6 languages (English, German, French, Spanish, Italian, Chinese)
pre-installed operating system	
<ul style="list-style-type: none"> <li>Windows 7</li> </ul>	Yes; Ultimate 64 bit, SP1

Software	
Preinstalled	
<ul style="list-style-type: none"> <li>• STEP 7 Professional 2010</li> <li>• STEP 7 Professional (TIA Portal)</li> <li>• WinCC flexible Advanced 2008</li> <li>• WinCC Advanced (TIA Portal)</li> <li>• STEP 5</li> </ul>	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
Approvals / Certificates	
General Product Approval	
Dangerous goods	



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