




SIMATIC IPC477E PRO fully protected IP65; 22" multi-touch (1920 x 1080); for supporting foot (expandable, flange at bottom), 4 USB (back); without USB (front); Ethernet (10/100/1000 Core i5-6442EQ; 3x Gbit Ethernet (IE/PN); 4 GB; without RS 232/RS485; without PCIe; Windows 10 IoT Enterprise 2016 LTSB (64-bit) for Celeron/I3/I5; Without replaceable mass storage; 240 GB solid-state drive SATA Without SIMATIC software 24 V DC industrial power supply






Display	
Screen diagonal	22 in
Display width	497.6 mm
Display height	292.2 mm
Resolution (pixels)	
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
Control elements	
Touch operation	
• Design as touch screen	Yes
Installation type/mounting	
Support arm mounting	No
Stand mounting	Yes
Mounting in portrait format possible	No
Supply voltage	
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Drives	
SSD	Yes
Memory	
Capacity of main memory, max.	16 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte
Hardware configuration	
Slots	
• Number of PCI slots	0
• Number of PCI slots	0
• Number of compact flash slots	1
Interfaces	
Number of industrial Ethernet interfaces	3
Industrial Ethernet	
• Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
• Watchdog	Yes
• Fan	No
EMC	
Interference immunity to magnetic fields	
• Interference immunity to magnetic fields at 50 Hz	100 A/m
Standards, approvals, certificates	
CE mark	Yes

CSA approval	Yes
UL approval	Yes
• UL 508	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
• ATEX Zone 2	Yes
• IECEx Zone 2	Yes
• cULus Class I Zone 2, Division 2	Yes
Marine approval	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Det Norske Veritas (DNV)	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Operating systems	
without operating system	Yes
pre-installed operating system	
• Windows 7	Yes
• Windows 10 Enterprise	Yes
Dimensions	
Width of the housing front	527 mm
Height of housing front	329 mm
Weights	
Weight, approx.	9.3 kg
Approvals / Certificates	

General Product Approval	For use in hazardous locations
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For use in hazardous locations	Maritime application
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[Miscellaneous](#)






Maritime application	Dangerous goods
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[Test Summary Report UN 38.3](#)

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