

Siemens  
EcoTech



SIMATIC IPC 477E 22" Multitouch (1920 x 1080); 4 USB (back), Ethernet (10/100/1000); Core i3-6102E; 3x Gbit Ethernet (IE/PN); 8 GB; without RS 232/RS485; without PCIe; Windows 10 Enterprise 2019 LTSC (64-bit), MUI (en,de,fr,it,es) for Celeron, i3 and i5, Without replaceable mass storage; 240 GB solid-state drive SATA Without SIMATIC software; 24 V DC industrial power supply

Display	
Screen diagonal	21.5 in
Resolution (pixels)	
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
Backlighting	
• MTBF backlighting (at 25 °C)	30 000 h
Control elements	
Keyboard fonts	
• Function keys	No
• alphanumeric keyboard	No
Touch operation	
• Design as multi-touch screen	Yes
Installation type/mounting	
central design	Yes
distributed design	No
Mounting in portrait format possible	Yes
Supply voltage	
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
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	1
• 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
FCC	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
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	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	529 mm
Height of housing front	331 mm
Mounting cutout, width	513 mm
Mounting cutout, height	315 mm
mounting depth	76 mm
Weights	
Weight, approx.	7.9 kg
Approvals / Certificates	
General Product Approval	For use in hazardous locations

[Miscellaneous](#)



[BIS CRS](#)

[China RoHS](#)



For use in hazardous locations

Maritime application

[Type Examination Certificate](#)



IECEX



ABS



BUREAU  
VERITAS



DNV



LRS

**Maritime application** **Dangerous goods**

[NK / Nippon Kaiji Kyokai](#)

[Dangerous goods information](#)

[Test Summary Report UN 38.3](#)

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