

SIMATIC IPC377G (basic panel PC); 19" singletouch (1366 x 768); 2x 10/100/1000 Mbps Ethernet RJ45; 2x DisplayPort graphic; 4x USB 3.1; 2x M.2 extension slot; 24 V DC power supply Atom x6413E (up to 3.9 GHz); 8 GB RAM; 4x USB+4x COM via pin header; Windows10 Enterprise 2019 LTSC, 64 bit; MUI (en,de,fr,it,es); 256 GB SSD; ;

General information	
Product type designation	IPC377G
Display	
Design of display	19" TFT touch
Resolution (pixels)	
• Horizontal image resolution	1 366 pixel
• Vertical image resolution	768 pixel
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Installation type/mounting	
Mounting	Panel mount and VESA, horizontal and vertical
Design	Panel PC, built-in unit
central design	Yes
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
• Mains/voltage failure stored energy time	10 ms
Processor	
Processor type	Intel Atom X6413E
Drives	
SSD	Yes; 256 GB SSD
Memory	
Type of memory	DDR4
Main memory	4 GB (pre-installed)
Capacity of main memory, max.	16 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Video interfaces	
• Graphics interface	2x DisplayPort
Industrial Ethernet	
• Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Protocols	
Protocols (Ethernet)	
• TCP/IP	Yes
Interrupts/diagnostics/status information	
LED status display	POWER, HDD
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
• Fan	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP40
Standards, approvals, certificates	
CE mark	Yes

CSA approval	Yes
UL approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
BSMI	Yes
Dust protection	Protection against foreign bodies > 1 mm

### Ambient conditions

Ambient temperature during operation	
• min.	0 °C
• max.	45 °C; when installed vertically in horizontal format, vertical inclination maximum 45° or when installed upright in vertical format

Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	70 °C

Vibrations	
• Vibration resistance during operation acc. to IEC 60068-2-6	Tested according to IEC 60068-2-6: 5 Hz to 8.4 Hz: 3.5 mm, 8.4 Hz to 500 Hz: 9.8 m/s <sup>2</sup>

### Operating systems

pre-installed operating system	Windows 10 Enterprise LTSC 2019, 64Bits, MUI
pre-installed operating system	
• Windows 10 Enterprise	Yes

### Dimensions

Height of housing front	296.8 mm
Mounting cutout, width	455 mm
mounting depth	99.7 mm

### Weights

Weight, approx.	5.7 kg
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### Approvals / Certificates

#### General Product Approval



[Miscellaneous](#)



#### General Product Approval



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