

SIMATIC IPC277G PRO 19" MTouch; support arm (expandable); round pipe; 19" multi-touch (1920 x 1080); 3x 10/100/1000 Mbps RJ45; 2x display ports; 4x USB 3.1, 1x M.2 extension slot; 24 V DC industrial power supply Atom X6413E (4-core); 8 GB RAM / with USB flash drive (documentation); without COM; 256 GB Eco SSD; without hardware extension; Windows 10 IoT Enterprise 2021 LTSC, 64-bit, MUI (de/en/fr/it/es), ;

Display	
Design of display	19" TFT multi-touch
Screen diagonal	19 in
Resolution (pixels)	
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Touch operation	
• Design as multi-touch screen	Yes; Projective-capacitive
Installation type/mounting	
Design	Panel PC, PRO
Support arm mounting	Yes; Suitable for support arm and extension components (please refer to manual)
Stand mounting	No
Mounting in portrait format possible	No
Supply voltage	
Type of supply voltage	24 V DC
Rated value (DC)	24 V
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Intel Atom X6211E / X6413E / X6414RE
Chipset	SoC
Graphic	
Graphics controller	Integrated
Drives	
SSD	Yes; 256 Eco / 240 / 480 GB
Storage	
Type of memory	DDR4 SO-DIMM
Main memory	4 / 8 / 16 GB; inband ECC optional
Capacity of main memory, max.	16 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	3; 3x Ethernet (RJ45)
serial interface	without / 1x COM (RS 232 / 422 / 485; selectable)
Video interfaces	
• Graphics interface	2x DisplayPort
Industrial Ethernet	
• Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
LED status display	No
Integrated Functions	
Monitoring functions	

• Temperature monitoring • Fan • Monitoring function via network	Yes No Optional		
Degree and class of protection			
IP (all-round)	IP65		
IP (at the front)	IP65		
IP (rear)	IP65		
Standards, approvals, certificates			
CE mark	Yes		
cULus	Yes		
RCM (formerly C-TICK)	Yes		
KC approval	Yes		
EAC (formerly Gost-R)	Yes		
FCC	Yes		
Ambient conditions			
Ambient temperature during operation			
• min.	0 °C		
• max.	45 °C; 12": 40 °C		
Ambient temperature during storage/transportation			
• min.	-20 °C		
• max.	60 °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 200 Hz : 9.8m/s² (1 g) (except DIN Rail) 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 500 Hz: 4.9 m/s² (0.5 g) (DIN Rail)		
Operating systems			
pre-installed operating system	Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI		
without operating system	Yes; Optional		
pre-installed operating system			
• Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI		
Dimensions			
Width of the housing front	462 mm		
Height of housing front	292 mm		
Weights			
Weight, approx.	6.9 kg		
Classifications			
		Version	Classification
	eClass	16	19-20-01-03
	eClass	14	19-20-01-03
	eClass	12	19-20-01-03
	eClass	9.1	19-20-01-03
	eClass	9	19-20-01-03
	eClass	8	27-24-23-01
	eClass	7.1	27-24-23-01
	eClass	6	27-24-23-01
	ETIM	10	EC001414
	ETIM	9	EC001414
	ETIM	8	EC001414
	ETIM	7	EC001414
Approvals / Certificates			
General Product Approval		Dangerous goods	



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