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Data sheet 6AV7886-0UE54-2AD0

SIMATIC IPC277G (Nanopanel PC); 19" multi-touch (1920 x 1080); neutral front; 3x 10/100/1000 Mbps Ethernet RJ45; 2x display port graphic; 4x USB 3.1; 2x M.2 expansion slot; DC 24 V industrial power supply 24 V DC industrial power supply

General information	
Product type designation	IPC277G
Installation type/mounting	
Mounting	For horizontal and vertical mounting
Design	Panel PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Rated value (DC)	24 V
Mains buffering	
● Mains/voltage failure stored energy time	20 ms
Input current	
Current consumption (rated value)	1.9 A
Current consumption, max.	5 A
Processor	
Processor type	Intel Atom X6413E
Chipset	SoC
Graphic	
Graphics controller	Integrated
Drives	
SSD	Yes; 256 Eco
Storage	
Type of memory	DDR4 SO-DIMM
Main memory	8 GB RAM
Capacity of main memory, max.	8 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	3; 3x Ethernet (RJ45)
Video interfaces	
● Graphics interface	2x DisplayPort
Industrial Ethernet	
● Industrial Ethernet interface	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Protocols	
Protocols (Ethernet)	
● DHCP	Yes
Interrupts/diagnostics/status information	
LED status display	No
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Fan	No
● Monitoring function via network	Optional
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	20
Standards, approvals, certificates	
CE mark	Yes
UKCA mark	Yes

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cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
BIS	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C; from 19", 22", 24": max. 45 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
Relative humidity	
● Operation, max.	85 %
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/s² (1 g)
Operating systems	
pre-installed operating system	Windows 11 IoT Enterprise LTSC 2024
pre-installed operating system	
● Windows 11	Yes; Windows 11 IoT Enterprise 2024 LTSC
Dimensions	
Width	464 mm
Height	294 mm
Depth	87 mm

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

Miscellaneous

Miscellaneous

General Product Approval

BIS CRS

China RoHS

Maritime application

Maritime application

Dangerous goods

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NK / Nippon Kaiji Kyokai	CCS (China Classification Society)	KR (Korean Register of Shipping)	Dangerous goods information	Test Summary Report UN 38.3

last modified: 3/6/2026

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