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Data sheet 6AV7230-0CA30-1CA0

	*** no longer available *** SIMATIC IPC377E (basic panel PC) 1x display port graphic; 1x VGA port graphic; 2x 10/100/1000 Mbps Ethernet RJ45; 2x USB 3.0; 2x USB 2.0; 4x serial ports (COM); 12" touch (1280 x 800); Celeron N3160 (4C/4T); 8 GB RAM; 1x mPCIe / 1x mSATA; Windows Ultimate SP1, 64 bit MUI (de, en, fr, es, it); 256 GB SSD; 24 V DC power supply; installation, VESA mounting
General information	
Product type designation	IPC377E
Installation type/mounting	
Mounting	Panel mount and VESA, horizontal and vertical
Design	Panel PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
● Mains/voltage failure stored energy time	10 ms
Processor	
Processor type	Intel Celeron N3160
Drives	
Hard disk	1 TB HDD
SSD	Yes; 256 GB SSD
Storage	
Type of memory	DDR3L
Main memory	4 GB, 8 GB
Capacity of main memory, max.	8 Gbyte
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Video interfaces	
● Graphics interface	1x DisplayPort, 1x VGA
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
UL approval	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
Dust protection	Protection against foreign bodies > 1 mm

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Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	45 °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 DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 500 Hz 9.8 m/s² (1 g)
Operating systems	
pre-installed operating system	Windows 7 Ultimate (Multi-Language), 64 bit; Windows 10 Enterprise 2016 LTSB, 64 bit
without operating system	Yes

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

CE EG-Konf.	UKCA	Manufacturer Declaration	CB CB	Miscellaneous	RCM

General Product Approval	EMV	Dangerous goods			
BIS CRS	RCM	Test Summary Report UN 38.3	Dangerous goods information	Dangerous goods information	Test Summary Report UN 38.3

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