



Figure similar

*** no longer available *** SIMATIC IPC377E (basic panel PC) 19" Touch; Celeron N3160 (4C/4T); 4 GB RAM; 1 TB HDD; 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); 1x mPCIe slot; 1x mSATA slot; Windows 7 Ult. 64-bit 24 V DC power supply; built-in unit

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	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	10 ms
Processor	
Processor type	Intel Celeron N3160
Graphic	
Graphics card	Yes
Drives	
Hard disk	1 TB HDD
Memory	
Type of memory	DDR3L
Main memory	4 GB (pre-installed)
Capacity of main memory, max.	8 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> free slots 	1x mPCIe (half-size), 1x mSATA (full-size)
<ul style="list-style-type: none"> Number of PCI slots 	0
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Number of PROFINET interfaces	2
USB port	2x USB 2.0, 2x USB 3.0 (high current)
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	1x DisplayPort, 1x VGA
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps 	2x Ethernet (RJ45) Yes Yes
Protocols	
<ul style="list-style-type: none"> Protocols (Ethernet) <ul style="list-style-type: none"> • TCP/IP 	Yes
Interrupts/diagnostics/status information	
LED status display	POWER, HDD

Integrated Functions			
Monitoring functions			
• Temperature monitoring	Yes		
• Watchdog	Yes		
• Fan	No		
EMC			
Interference immunity against discharge of static electricity			
• Interference immunity against discharge of static electricity	±6 kV contact; ±8 kV air (to IEC 1000-4-2; ESD)		
Interference immunity against high-frequency electromagnetic fields			
• Interference immunity against high frequency radiation	10 V/m for 80 ... 1 000 MHz, 80 % AM according to IEC 61000-4-3; 3 V/m for 1.4 ... 6 GHz, 80 % AM according to IEC 61000-4-3		
Interference immunity to cable-borne interference			
• Interference immunity on supply cables	±2 kV (according to IEC 61000-4-4, burst); ±1 kV (according to IEC 61000-4-5, surge pulse/line to line); ±2 kV (according to IEC 61000-4-5, surge pulse/line to ground)		
• Interference immunity on signal cables >30m	±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge		
• Interference immunity on signal cables < 30m	±1 kV acc. to IEC 61000-4-4, Burst		
Interference immunity against voltage surge			
• asymmetric interference	±2 kV acc. to IEC 61000-4-5, surge asymmetric		
• symmetric interference	±1 kV acc. to IEC 61000-4-5, surge symmetric		
Interference immunity to magnetic fields			
• Interference immunity to magnetic fields at 50 Hz	100 A/m; to IEC 61000-4-8		
Degree and class of protection			
IP (at the front)	IP65		
IP (rear)	IP40		
Standards, approvals, certificates			
CE mark	Yes		
cULus	No		
RCM (formerly C-TICK)	Yes		
EAC (formerly Gost-R)	Yes		
FCC	Yes		
Dust protection	Protection against foreign bodies > 1 mm		
Ambient conditions			
Ambient temperature during operation			
• min.	0 °C		
• max.	40 °C		
Ambient temperature during storage/transportation			
• min.	-20 °C		
• max.	60 °C		
Relative humidity			
• Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)		
Vibrations			
• Vibration resistance during operation acc. to IEC 60068-2-6	58 Hz to 200 Hz: 4.9 m/s ² ; tested according to IEC 60068-2-6		
Shock testing			
• Shock load during operation	With HDD: 9.81 m/s ² , 20 ms; tested according to IEC 60068-2-27		
Operating systems			
pre-installed operating system	Windows 7 Ultimate (Multi-Language) 64-bit		
without operating system	Yes		
Dimensions			
Width	472.6 mm		
Height	296.8 mm		
Depth	103 mm		
Classifications			
		Version	Classification
	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	9	EC001414
ETIM	8	EC001414
ETIM	7	EC001414
IDEA	4	6607
UNSPSC	15	43-21-15-06

Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



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General Product Approval

EMV

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last modified:

12/17/2024