

*** 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); 19" touch (1366 x 768); Celeron N3160 (4C/4T); 8 GB RAM; 1x mPCIe / 1x mSATA; Windows 10 Enterprise 2016 LTSB, 64 bit; MUI (en,de,fr,it,es); 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	
<ul style="list-style-type: none"> Mains/voltage failure stored energy time 	10 ms
Processor	
Processor type	Intel Celeron N3160
Drives	
Hard disk	500 GB HDD
SSD	Yes; 256 GB SSD
Storage	
Type of memory	DDR3L
Main memory	4 GB, 8 GB
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)
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
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
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> Temperature monitoring Watchdog Fan 	Yes Yes No
EMC	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> Interference immunity on supply cables 	±2 kV (according to IEC 61000-4-4, burst); ±1 kV (according to IEC 61000-4-5,

<ul style="list-style-type: none"> • Interference immunity on signal cables >30m • Interference immunity on signal cables < 30m 	<p>surge pulse/line to line); ±2 kV (according to IEC 61000-4-5, surge pulse/line to ground)</p> <p>±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge ±1 kV acc. to IEC 61000-4-4, Burst</p>																																				
Interference immunity against voltage surge																																					
<ul style="list-style-type: none"> • asymmetric interference • symmetric interference 	<p>±2 kV acc. to IEC 61000-4-5, surge asymmetric</p> <p>±1 kV acc. to IEC 61000-4-5, surge symmetric</p>																																				
Interference immunity to magnetic fields																																					
<ul style="list-style-type: none"> • 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																																				
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																																				
Ambient conditions																																					
Ambient temperature during operation																																					
<ul style="list-style-type: none"> • min. • max. 	<p>0 °C</p> <p>45 °C</p>																																				
Ambient temperature during storage/transportation																																					
<ul style="list-style-type: none"> • min. • max. 	<p>-20 °C</p> <p>60 °C</p>																																				
Relative humidity																																					
<ul style="list-style-type: none"> • 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																																					
<ul style="list-style-type: none"> • 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/s ² (1 g)																																				
Shock testing																																					
<ul style="list-style-type: none"> • Shock load during operation 	Tested in accordance with IEC 60068-2-27: With SSD: 150 m/s ² , 11 ms; with HDD: 9.8 m/s ² , 20 ms																																				
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																																					
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[Miscellaneous](#)



General Product Approval	EMV	Dangerous goods
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