

SIMATIC IPC377E (BASICPANEL PC) 12" TOUCH; CELERON N3160 (4C/4T); 4 GB RAM; 500 GB HDD; 1x DISPLAY-PORT GRAPHIC; 1x VGA-PORT GRAPHIC; 2x 10/100/1000 MBIT/S ETHERNET RJ45; 2x USB3.0, 2x USB2.0; 4x COM-PORTS; 1x mPCIe-SLOT; 1x mSATA-SLOT; WINDOWS 7 ULT. 64 BIT 24V DC POWER SUPPLY; PANEL MOUNT



Figure similar

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	500 GB 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)
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	
Protocols (Ethernet)	
<ul style="list-style-type: none"> TCP/IP 	Yes
Integrated Functions	
Monitoring functions	
<ul style="list-style-type: none"> Temperature monitoring Watchdog Status LEDs Fan 	Yes Yes POWER, HDD 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 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m 	±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) ±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
Interference immunity against voltage surge	
<ul style="list-style-type: none"> asymmetric interference symmetric interference 	±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric
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
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	
<ul style="list-style-type: none"> Ambient temperature during operation 	0 to +40 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> min. max. 	-20 °C 60 °C
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 	58 Hz to 200 Hz: 4.9 m/s ² ; tested according to DIN IEC 60068-2-6
Shock testing	
<ul style="list-style-type: none"> Shock load during operation 	With HDD: 9.81 m/s ² , 20 ms; tested according to IEC 60068-2-27

Operating systems	
without operating system	Yes

Dimensions	
Width	320 mm
Height	225.6 mm
Depth	95.2 mm
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