SIEMENS

Figure similar

SIMATIC IPC377E (basic panel PC) 15" 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	
● Mains/voltage failure stored energy time	10 ms
Processor	
Processor type	Intel Celeron N3160
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	
● free slots	1x mPCIe (half-size), 1x mSATA (full-size)
● Number of PCI slots	0
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
USB port	2x USB 2.0, 2x USB 3.0 (high current)
Video interfaces	
● Graphics interface	1x DisplayPort, 1x VGA
Industrial Ethernet	
● Industrial Ethernet interface	2x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
Protocols	
Protocols (Ethernet)	
● TCP/IP	Yes
Integrated Functions	
Monitoring functions	

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● Temperature monitoring	Yes
● Watchdog	Yes
● Status LEDs	POWER, HDD
● 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

● Ambient temperature during operation	0 to +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/s²; tested according to IEC 60068-2-6

Shock testing

● Shock load during operation	With HDD: 9.81 m/s², 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	406 mm
Height	258.1 mm
Depth	103 mm

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