Data sheet



Figure similar

*** no longer available *** SIMATIC IPC377E (basic panel PC) 15" Touch; Celeron N3160 (4C/4T); 4 GB RAM; 256 GB SSD; 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 mPCle slot; 1x mSATA slot; without operating system; 24 V DC power supply; built-in unit

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 mPCle (half-size), 1x mSATA (full-size)
 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	
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	
 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	400 44 4 150 04000 4 0	
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		
Ambient temperature during operation	0 to +45°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	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)	
Shock testing	T-staddirectal IFO 00000 0 07 450 1/3 44	
Shock load during operation	Tested according to IEC 60068-2-27: 150 m/s², 11 ms	
Operating systems		
pre-installed operating system	without operating system	
without operating system	Yes	
Dimensions		
Width	406 mm	
Height	258.1 mm	
Depth	103 mm	
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