

SIMATIC IPC127E; Atom E3930 (2C/2T), 2 GB RAM; Base version;  
2x Ethernet RJ45, 2x USB3.0; without operating system; 32 GB SSD;  
without mounting accessories

Installation type/mounting	
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
• Mains/voltage failure stored energy time	5 ms
Processor	
Processor type	Intel Atom E3930, 1.3 GHz, 2 cores
Drives	
SSD	Yes; 32 GB
Memory	
Type of memory	DDR4
Main memory	2 GB RAM
Interfaces	
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Number of PROFINET interfaces	2
USB port	2x USB 3.0
Connection for keyboard/mouse	USB / USB
Video interfaces	
• Graphics interface	1x DisplayPort
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	1x power, 3x user

- Fan

No

## EMC

### Interference immunity against discharge of static electricity

- Interference immunity against discharge of static electricity  
±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2
- Interference immunity against discharge of static electricity acc. to IEC 61000-4-2
  - Test voltage at air discharge 8 kV
  - Test voltage at contact discharge 6 kV

### Interference immunity against high-frequency electromagnetic fields

- Interference immunity against high frequency radiation  
10 V/m, 80 MHz to 2 GHz, 80 % AM acc. to IEC 61000-4-3; 3 V/m, 2 GHz to 2.7 GHz, 80 % AM acc. to IEC 61000-4-3; 10 V, 10 kHz to 80 MHz, 80 % AM acc. to IEC 61000-4-6

### Interference immunity to cable-borne interference

- Interference immunity on supply cables  
±2 kV (according to IEC 61000-4-4; burst); ±0,5 kV (according to IEC 61000-4-5; surge pulse/line to line); ±1 kV (according to IEC 61000-4-5; surge pulse/line to ground)
- Interference immunity on signal cables >30m  
±2 kV acc. to IEC 61000-4-5, surge, length > 30 m
- Interference immunity on signal cables < 30m  
±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m

### Interference immunity to magnetic fields

- Interference immunity to magnetic fields at 50 Hz  
100 A/m; to IEC 61000-4-8

### Emission of conducted and non-conducted interference

- Interference emission via line/AC current cables  
EN 61000-6-4:2007 +A1:2011 (industrial environments), EN 61000-6-3:2007 +A1:2011 (residential environments), CISPR 22 Class B, FCC Class A

## Standards, approvals, certificates

Approval	CE, UL
CE mark	Yes
UL approval	Yes
Dust protection	Protection against foreign bodies > 1 mm

## Ambient conditions

### Ambient temperature during operation

- Ambient temperature during operation  
0 °C up to 55 °C

### Ambient temperature during storage/transportation

- min.  
-20 °C
- max.  
70 °C

### Relative humidity

- Relative humidity  
5 ... 85 % at 30 °C, no condensation

### Vibrations

- Vibration resistance during operation acc. to IEC 60068-2-6  
Tested according to IEC 6068-2-6; 5 Hz to 9 Hz: 3.5 mm, 9 Hz to 500 Hz: 9,8 m/s<sup>2</sup>

Shock testing	
• Shock load during operation	Tested according to IEC 60068-2-27: 150 m/s <sup>2</sup> , 11 ms
Operating systems	
pre-installed operating system	
• Windows 10 Enterprise	No
Dimensions	
Width	85 mm
Height	85 mm
Depth	41 mm
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