



SIMATIC IPC127E; Atom E3940 (4C/4T), 4 GB RAM; Extended version 3x Ethernet RJ45, 4x USB3.0; without operating system 128 GB SSD; without mounting accessories

General information	
Product type designation	IPC127E
Installation type/mounting	
Design	Box 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 	5 ms
Processor	
Processor type	Intel Atom E3940, 1.6 GHz, 4 cores
Drives	
SSD	Yes; 32 GB
Memory	
Type of memory	DDR4
Main memory	4 GB RAM
Capacity of main memory, max.	4 Gbyte
Hardware configuration	
Slots	
<ul style="list-style-type: none"> Number of PCI slots 	0
Interfaces	
Number of industrial Ethernet interfaces	3; 3x Ethernet (RJ45)
Number of PROFINET interfaces	3
USB port	4x USB 3.0
Connection for keyboard/mouse	USB / USB
Video interfaces	
<ul style="list-style-type: none"> Graphics interface 	1x DisplayPort
Industrial Ethernet	
<ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps 	3x 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 	Yes

<ul style="list-style-type: none"> • Watchdog • Status LEDs • Fan 	<p>Yes</p> <p>1x power, 3x user</p> <p>No</p>
EMC	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> • 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 high-frequency electromagnetic fields	
<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • 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)
<ul style="list-style-type: none"> • Interference immunity on signal cables >30m • Interference immunity on signal cables < 30m 	±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±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	
<ul style="list-style-type: none"> • Interference immunity to magnetic fields at 50 Hz 	100 A/m; to IEC 61000-4-8
Emission of conducted and non-conducted interference	
<ul style="list-style-type: none"> • 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
Degree and class of protection	
IP degree of protection	IP40
Standards, approvals, certificates	
CE mark	Yes
UL approval	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 °C up to 55 °C
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	-20 °C 70 °C
Relative humidity	
<ul style="list-style-type: none"> • Relative humidity 	5 ... 85 % at 30 °C, no condensation
Vibrations	
<ul style="list-style-type: none"> • 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 ²
Shock testing	
<ul style="list-style-type: none"> • Shock load during operation 	Tested according to IEC 60068-2-27: 150 m/s ² , 11 ms
Operating systems	
pre-installed operating system	No
pre-installed operating system	
<ul style="list-style-type: none"> • Windows 10 Enterprise 	No
Dimensions	
Width	85 mm
Height	104 mm
Depth	41 mm
last modified:	5/31/2021 