

SIMATIC IPC PX-39A 19" multi-touch (1920 x 1080); Intel(R) UHD graphics onboard 4 x USB 3.2 Ethernet (10/100/1000); PCIe (optional); Intel Xeon W-11155MLE (1.8/3.1 GHz, 4C/8T); 16 GB; M.2 SSD 512 GB Eco; without 2nd mass storage; Windows 10 IoT Enterprise 2021 LTSC for Celeron, Xeon W-11155MLE, Xeon W-11555MLE; without option 1; USB restore stick with D&D and software image (if selected) 24 V DC industrial power supply (power failure, isolated, bridging time);

General information	
Product type designation	SIMATIC IPC PX-39A
Display	
Design of display	19" TFT multi-touch
Screen diagonal	18.5 in
Resolution (pixels)	
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
Backlighting	
• MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Input device	
• Mouse, at front	No
Keyboard fonts	
• Function keys	No
• alphanumeric keyboard	No
Touch operation	
• Design as multi-touch screen	Yes; Projective-capacitive
Installation type/mounting	
Mounting	For horizontal and vertical mounting
Design	Panel PC, built-in unit
central design	Yes
distributed design	No
Mounting in portrait format possible	Yes
Supply voltage	
Type of supply voltage	100/240 V AC (autorange) 50/60 Hz; optional 24 V DC
Rated value (DC)	24 V
Rated value (AC)	240 V
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	Yes
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Power loss	
In full configuration	24 V DC: max. 82 W, 110 ... 230 V AC
Processor	
Processor type	Intel® Celeron 6600HLE (2.1 GHz, 2C/2T) Intel® Xeon W-11155MLE (1.8/3.1 GHz, 4C/8T) Intel® Xeon W-11555MLE (1.9/4.4 GHz, 6C/12T) Intel® Xeon W-11865MLE (1.5/4.5 GHz, 8C/16T)
Chipset	Intel® RM590E
Graphic	
Graphics controller	Intel® UHD Graphics 16 EUs (for Intel® Celeron® 6600HLE and Intel® Xeon® W-11155MLE) / Intel® UHD Graphics 32 EUs (for Intel® Xeon® W-11555MLE and Intel® Xeon® W-11865MLE)
Drives	
Hard disk	M.2 SSD ≥ 240 GB
SSD	Yes; ≥ 240 GB optional, RAID1 optional
Memory	

Type of memory	DDR4-3200 SO-DIMM
Main memory	4 / 8 / 16 / 32 GB; ECC optional
Capacity of main memory, max.	32 Gbyte
<b>Data areas and their retentivity</b>	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time; optional
<b>Hardware configuration</b>	
Slots	
<ul style="list-style-type: none"> <li>• free slots</li> <li>• Number of PCI slots</li> <li>• Number of compact flash slots</li> </ul>	1x PCIe; optional: 1x PCIe (x4), with card retainer 1; Optional 0
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	4; 4x Gigabit Ethernet (IE/PN)
USB port	4x USB 3.2 Gen2
Connection for keyboard/mouse	USB / USB
Video interfaces	
<ul style="list-style-type: none"> <li>• Graphics interface</li> </ul>	2x DisplayPort (DP1.4-capable): maximum 4096 × 2304 / 60 Hz / 36 bit
Industrial Ethernet	
<ul style="list-style-type: none"> <li>• Industrial Ethernet interface               <ul style="list-style-type: none"> <li>— 100 Mbps</li> <li>— 1000 Mbps</li> </ul> </li> </ul>	4x Ethernet (RJ45) Yes Yes
<b>Interrupts/diagnostics/status information</b>	
Bus diagnostics	Yes
<b>Integrated Functions</b>	
Monitoring functions	
<ul style="list-style-type: none"> <li>• Temperature monitoring</li> <li>• Watchdog</li> <li>• Fan</li> <li>• Monitoring function via network</li> </ul>	Yes Yes No Optional
<b>EMC</b>	
Interference immunity against discharge of static electricity	
<ul style="list-style-type: none"> <li>• Interference immunity against discharge of static electricity</li> </ul>	±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"> <li>• Interference immunity against high frequency radiation</li> </ul>	10 V/m for 80 ... 2 700 MHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 2.7 to 6 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 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"> <li>• Interference immunity on supply cables</li> <li>• Interference immunity on signal cables &gt;30m</li> <li>• Interference immunity on signal cables &lt; 30m</li> </ul>	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±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"> <li>• asymmetric interference</li> <li>• symmetric interference</li> </ul>	±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"> <li>• Interference immunity to magnetic fields at 50 Hz</li> </ul>	100 A/m; to IEC 61000-4-8
Emission of conducted and non-conducted interference	
<ul style="list-style-type: none"> <li>• Interference emission via line/AC current cables</li> </ul>	IEC 61000-6-4, CAN/CSA CISPR 32 class B, FCC class A
<b>Degree and class of protection</b>	
IP (at the front)	IP65
IP (rear)	IP20
<b>Standards, approvals, certificates</b>	
CE mark	Yes
UKCA mark	Yes
CSA approval	Yes
UL approval	Yes; UL 61010-2-201 Second Edition, File E85972
<ul style="list-style-type: none"> <li>• UL 508</li> </ul>	No
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes

FCC	Yes	
BSMI	No; in preparation	
BIS	Yes	
EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-4, CAN/CSA CISPR 32 class A, EN 55032 class B, FCC class A, KN32	
<b>Marine approval</b>		
<ul style="list-style-type: none"> <li>• Germanischer Lloyd (GL)</li> <li>• American Bureau of Shipping (ABS)</li> <li>• Bureau Veritas (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Korean Register of Shipping (KRS)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (Class NK)</li> </ul>	<ul style="list-style-type: none"> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>	
<b>Ambient conditions</b>		
<b>Ambient temperature during operation</b>		
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	<ul style="list-style-type: none"> <li>0 °C</li> <li>50 °C</li> </ul>	
<b>Ambient temperature during storage/transportation</b>		
<ul style="list-style-type: none"> <li>• min.</li> <li>• max.</li> </ul>	<ul style="list-style-type: none"> <li>-20 °C</li> <li>60 °C</li> </ul>	
<b>Relative humidity</b>		
<ul style="list-style-type: none"> <li>• Relative humidity</li> <li>• Operation, max.</li> </ul>	<ul style="list-style-type: none"> <li>tested according to IEC 60068-2-78, IEC 60068-2-30: operation: temperature 30 °C, relative humidity 85%; permissible range: 0 to 31 °C: 5 - 80%; decreasing linearly to 5 - 25% at 55 °C; storage: temperature 25 °C - 55 °C, relative humidity 95%</li> <li>85 %</li> </ul>	
<b>Vibrations</b>		
<ul style="list-style-type: none"> <li>• Vibration resistance during operation acc. to IEC 60068-2-6</li> </ul>	<ul style="list-style-type: none"> <li>tested according to IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s<sup>2</sup></li> </ul>	
<b>Shock testing</b>		
<ul style="list-style-type: none"> <li>• Shock load during operation</li> </ul>	<ul style="list-style-type: none"> <li>Tested according to IEC 60068-2-27: 150 m/s<sup>2</sup>, 11 ms</li> </ul>	
<b>Operating systems</b>		
pre-installed operating system	Windows 10 IoT Enterprise 2021 LTSC, Industrial OS	
without operating system	Yes; Optional	
<b>pre-installed operating system</b>		
<ul style="list-style-type: none"> <li>• Windows 7</li> <li>• Windows 10 Enterprise</li> <li>• Windows 11</li> </ul>	<ul style="list-style-type: none"> <li>No</li> <li>Yes; Windows 10 IoT Enterprise 2021 LTSC</li> <li>No; in preparation</li> </ul>	
<b>Software</b>		
SIMATIC Software	Optional package with SIMATIC WinCC	
<b>Dimensions</b>		
Width of the housing front	464 mm	
Height of housing front	294 mm	
Mounting cutout, width	448 mm	
Mounting cutout, height	278 mm	
Overall depth	91.6 mm	
overall depth with depth with PCI expansion	117 mm	
<b>Weights</b>		
Weight, approx.	8 kg	
<b>Classifications</b>		
	<b>Version</b>	<b>Classification</b>
eClass	14	19-20-01-03
eClass	12	19-20-01-03
eClass	9.1	19-20-01-03
eClass	9	19-20-01-03
eClass	8	27-24-23-01
eClass	7.1	27-24-23-01
eClass	6	27-24-23-01
ETIM	9	EC001414
ETIM	8	EC001414

Approvals / Certificates

General Product Approval EMV



EMV	Test Certificates	Maritime application	other
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[Confirmation](#)

other	Railway	Environment
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