

SIMATIC IPC PX-39A PRO 19" multi-touch (1920 x 1080); fully enclosed IP65; 4 USB (back); without USB (front); Ethernet (10/100/1000); Intel Xeon W-11155MLE (1.8/3.1 GHz, 4C/8T); 32 GB with ECC; without 1st mass storage; 2nd mass storage: M.2 SSD 512 GB Eco; Windows 10 IoT Enterprise 2021 LTSC with Celeron processors, W-11155MLE, W-11555MLE; supporting foot (expandable, flange at bottom) with USB flash drive (restore image; D&D) 24 V DC industrial power supply (premium, power failure, isolated, bridging time)

General information	
Product type designation	SIMATIC IPC PX-39A PRO
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	19 in
Display width	409 mm
Display height	230 mm
Resolution (pixels)	
• Horizontal image resolution	1 920 pixel
• Vertical image resolution	1 080 pixel
Control elements	
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Design as multi-touch screen	Yes; Projective-capacitive
Installation type/mounting	
Mounting	For mounting on stand or supporting bracket
Design	Panel PC on pedestal or supporting arm
Support arm mounting	Yes; Suitable for support arm and extension components (please refer to manual)
Stand mounting	Yes; prepared for base and extension components (please refer to manual)
Mounting in portrait format possible	No
maximum permissible installation angle +/-	±45 °
Supply voltage	
Type of supply voltage	24 V DC
Rated value (DC)	24 V
Mains buffering	
• Mains/voltage failure stored energy time	20 ms
Processor	
Processor type	Intel Celeron 6600HLE (2.1 GHz, 2C/2T) Intel Xeon W-11155MLE (1.8/3.1 GHz, 4C/6T) 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
Memory	
Type of memory	DDR4-2400 SO-DIMM
Main memory	4 / 8 / 16 / 32 GB; ECC optional
Capacity of main memory, max.	32 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time
Hardware configuration	
Slots	
• Number of PCI slots	0; Different to the built-in unit

• Number of compact flash slots	0
Interfaces	
Number of industrial Ethernet interfaces	4; 4x Gigabit Ethernet (IE/PN)
USB port	4x USB 3.2 Gen2
Connection for keyboard/mouse	USB / USB
serial interface	1x (optional) COM (RS 232 / 485 / 422; selectable)
Video interfaces	
• Graphics interface	2x DisplayPort (DP1.4-capable); maximum 4096 × 2304 / 60 Hz / 36 bit
Industrial Ethernet	
• Industrial Ethernet interface	4x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
• Watchdog	Yes
• Status LEDs	No
• Fan	No
• Monitoring function via network	Optional
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 high-frequency electromagnetic fields	
• Interference immunity against high frequency radiation	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	
• Interference immunity on supply cables	±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
• 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
Emission of conducted and non-conducted interference	
• Interference emission via line/AC current cables	EN 61000-6-4, CAN/CSA CISPR22 class A; KS C 9832, FCC class A
Degree and class of protection	
IP65 (all-round)	Yes; IP65 fully enclosed
IP (at the front)	IP65
IP (rear)	IP65
Standards, approvals, certificates	
CE mark	Yes
UKCA mark	Yes
CSA approval	Yes
UL approval	Yes; UL 61010-2-201 Second Edition, File E85972
• UL 508	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	CE, EN 61000-6-4; CISPR 22 Class A; FCC Class A
Use in hazardous areas	
• ATEX Zone 2	Yes; Optional
• IECEx Zone 2	Yes; Optional

• cULus Class I Zone 2, Division 2	Yes; Optional
Marine approval	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Korean Register of Shipping (KRS)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Altitude during operation relating to sea level	
• Installation altitude above sea level, max.	2 000 m
Relative humidity	
• Relative humidity	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%
• Operation, max.	85 %
Vibrations	
• Vibration resistance during operation acc. to IEC 60068-2-6	tested according to IEC 60068-2-6; 5 Hz to 8.4 Hz: 3.5 mm, 8.4 Hz up to 200 Hz: 9.8 m/s ²
Shock testing	
• Shock load during operation	Tested according to IEC 60068-2-27: 50 m/s ² , 30 ms
Operating systems	
pre-installed operating system	Windows 10 Enterprise 2021 LTSC, Industrial OS
without operating system	Yes; Optional
pre-installed operating system	
• Windows 7	No
• Windows 10 Enterprise	Yes; Windows 10 Enterprise 2021 LTSC
• Windows 11	No; in preparation
Dimensions	
Width of the housing front	462 mm
Height of housing front	292 mm; Without basic adapter
Weights	
Weight, approx.	8.2 kg
last modified:	8/19/2024 