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Data sheet 6AV7252-5EC20-1AB0

SIMATIC IPC PX-39A PRO 22" multi-touch (1920 x 1080); fully enclosed IP65; 4 USB (back); without USB (front); Ethernet (10/100/1000); Intel Xeon W-11555MLE (1.9/4.4 GHz, 6C/12T); 16 GB; 1st mass storage: M.2 SSD 512 GB Eco; without 2nd mass storage; 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	PX-39A PRO
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	22 in
Display width	476 mm
Display height	267 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
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
Storage	
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

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● Number of compact flash slots	0
Interfaces	
Number of industrial Ethernet interfaces	4; 4x Gigabit Ethernet (IE/PN)
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	
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
LED status display	No
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
● Temperature monitoring	Yes
● Fan	No
● Monitoring function via network	Optional
Degree and class of protection	
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
Use in hazardous areas	
● CCC Ex	Yes
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	
● 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/s²
Operating systems	

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pre-installed operating system	Windows 10 IoT Enterprise 2021 LTSC, Windows 11 IoT Enterprise 2024 LTSC, Industrial OS
without operating system	Yes; Optional
pre-installed operating system	
● Windows 7	No
● Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2021 LTSC
● Windows 11	Yes; Windows 11 IoT Enterprise 2024 LTSC
Dimensions	
Width of the housing front	527 mm
Height of housing front	329 mm; Without basic adapter
Weights	
Weight, approx.	9.3 kg

Approvals / Certificates

General Product Approval

BIS CRS

General Product Approval

Manufacturer Declaration

For use in hazardous locations

Miscellaneous

For use in hazardous locations

Maritime application

Maritime application

NK / Nippon Kaiji Kyokai

CCS (China Classification Society)

KR (Korean Register of Shipping)

Dangerous goods

Dangerous goods information

Dangerous goods information

Test Summary Report UN 38.3

last modified: 6/22/2026

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