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Data sheet 6AV7272-3BC10-1CB1

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SIMATIC IPC PX-32A 15" ST Singletouch 4 x USB 3.2 (back), Ethernet (10/100/1000) Intel Xeon W-11155MLE (1.8/3.1 GHz, 4C/8T); 16 GB; M.2 SSD 256 GB Eco; without 2nd mass storage; Windows 10 IoT Enterprise 2021 LTSC for Celeron processors, W-11155MLE, W-11555MLE; in addition 1 x Com (RS232/485/422) (3 in total) USB restore stick with D&D and software image (if selected) 9-36 V DC industrial power supply (wide range)

General information	
Product type designation	PX-32A
Display	
Design of display	15" TFT touch
Screen diagonal	15.6 in
Resolution (pixels)	
● Horizontal image resolution	1 366 pixel
● Vertical image resolution	768 pixel
Backlighting	
● MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Keyboard	
● Function keys	No
● alphanumeric keyboard	No
Touch operation	
● Design as touch screen	Yes
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	No
Supply voltage	
Type of supply voltage	9 - 36 V DC
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/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
Storage	
Type of memory	DDR4-3200 SO-DIMM
Main memory	4 / 8 / 16 / 32 GB
Capacity of main memory, max.	32 Gbyte
Hardware configuration	
Slots	
● Number of PCI slots	0
● Number of compact flash slots	0
Interfaces	

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Number of industrial Ethernet interfaces	2; 2x Gigabit Ethernet (IE/PN), RJ45
serial interface	2x / 4x (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	No
Integrated Functions	
Monitoring functions	
● Temperature monitoring	No
● Fan	No
● Monitoring function via network	Optional
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
UKCA mark	Yes
CSA approval	Yes
UL approval	Yes; UL 61010-2-201 Second Edition, File E472609
● UL 508	No
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	No; in preparation
EAC (formerly Gost-R)	No
FCC	Yes
BSMI	No; in preparation
BIS	Yes
Use in hazardous areas	
● ATEX Zone 2	No
● IECEx Zone 2	No
● cULus Class I Zone 2, Division 2	No
Marine approval	
● Germanischer Lloyd (GL)	No
● American Bureau of Shipping (ABS)	No
● Bureau Veritas (BV)	No
● Det Norske Veritas (DNV)	No
● Korean Register of Shipping (KRS)	No
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (Class NK)	No
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
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 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s²
Operating systems	
pre-installed operating system	Windows 10 IoT Enterprise 2021 LTSC, Industrial OS
without operating system	Yes; Optional

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pre-installed operating system	
• Windows 7	No
• Windows 10 Enterprise	Yes; Windows 10 IoT Enterprise 2021 LTSC
Dimensions	
Width of the housing front	406 mm
Height of housing front	258 mm
Mounting cutout, width	388.39999 mm
Mounting cutout, height	240.5 mm
mounting depth	96 mm
Weights	
Weight, approx.	6 kg

Approvals / Certificates

General Product Approval

General Product Approval

Test Certificates

Special Test Certific-ate

Type Test Certific-ates/Test Report

Maritime application

Maritime application

other

Miscellaneous

other

Confirmation

Miscellaneous

Railway

Special Test Certific-ate

Confirmation

Environment

Environmental Con-firmations

Environment

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