

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-1155MLE (1.9/4.4 GHz, 6C/12T); 8 GB; M.2 SSD 512 GB Eco; without 2nd mass storage; Windows 11 IoT Enterprise 2024 LTSC for Celeron, Xeon W-11155MLE, Xeon W-1155MLE; without option 1; restore stick image with D&D and software image (if selected) only via OSD (online portal) 24 V DC industrial power supply (power failure, isolated, bridging time);

| General information                        |  |
|--|--|
| Product type designation                   | 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  |
| Input current                              |  |
| Current consumption (rated value)          | 5 A; at 24 V DC and without load   |
| Current consumption, max.                  | 5 A; At 24 V DC  |
| Inrush current, max.                       | 75 A; max. 75 A for 0.2 ms max. 9 A for further 5 ms max. 8 A for further 40 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-1155MLE (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)  |
| <b>Drives</b>   |   |
| Hard disk   | M.2 SSD ≥ 240 GB  |
| SSD   | Yes; ≥ 240 GB optional, RAID1 optional  |
| <b>Memory</b>   |   |
| 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<br>1; Optional<br>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   |
| serial interface  | 1x / 2x (optional) COM (RS 232 / 485 / 422; selectable)   |
| 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)<br>Yes<br>Yes  |
| <b>Interrupts/diagnostics/status information</b>  |   |
| LED status display  | No  |
| 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<br>Yes<br>No<br>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<br>±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge<br>±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<br>±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 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   | 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>Use in hazardous areas</b>                                 |   |
| • CCC Ex  | Yes   |
| <b>Marine approval</b>  |   |
| • 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   |
| <b>Ambient conditions</b>                                     |   |
| <b>Ambient temperature during operation</b>                   |   |
| • min.  | 0 °C  |
| • max.  | 50 °C   |
| <b>Ambient temperature during storage/transportation</b>      |   |
| • min.  | -20 °C  |
| • max.  | 60 °C   |
| <b>Relative humidity</b>                                      |   |
| • 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 %  |
| <b>Vibrations</b>   |   |
| • 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/s <sup>2</sup>   |
| <b>Shock testing</b>  |   |
| • Shock load during operation                                 | Tested according to IEC 60068-2-27: 150 m/s <sup>2</sup> , 11 ms  |
| <b>Operating systems</b>                                      |   |
| pre-installed operating system                                | Windows 10 IoT Enterprise 2021 LTSC, Windows 11 IoT Enterprise 2024 LTSC, Industrial OS   |
| without operating system                                      | Yes; Optional   |
| <b>pre-installed operating system</b>                         |   |
| • Windows 7   | No  |
| • Windows 10 Enterprise                                       | Yes; Windows 10 IoT Enterprise 2021 LTSC  |
| • Windows 11  | Yes; Windows 11 IoT Enterprise 2024 LTSC  |
| <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  |
| mounting depth  | 91.6 mm   |
| mounting depth with PCI expansion                             | 117 mm  |
| <b>Weights</b>  |   |

Weight, approx.

8 kg

Approvals / Certificates

General Product Approval



[Miscellaneous](#)



General Product Approval

Dangerous goods

[BIS CRS](#)



[Dangerous goods in-formation](#)

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