

SIMATIC IPC PX-39A 15" multi-touch (1920 x 1080); Intel(R) UHD graphics onboard 4 x USB 3.2 Ethernet (10/100/1000); PCIe (optional); Intel Xeon W-11865MLE (1.5/4.5 GHz, 8C/16T); 16 GB; M.2 SSD 256 GB Eco; without 2nd mass storage; Windows 11 IoT Enterprise 2024 LTSC for Xeon W-11865MLE; 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                          | 15" TFT multi-touch   |
| Screen diagonal                            | 15.6 in   |
| Resolution (pixels)                        |   |
| • Horizontal image resolution              | 1 920 pixel   |
| • Vertical image resolution                | 1 080 pixel   |
| Control elements                           |   |
| Keyboard fonts                             |   |
| • Function keys                            | No  |
| 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                     | 24 V DC   |
| Rated value (DC)                           | 24 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)          | at 24 V DC and without load   |
| Inrush current, max.                       | 75 A  |
| 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)  |
| Drives                                     |   |
| Hard disk                                  | M.2 SSD ≥ 240 GB  |
| SSD  | Yes; 256 GB Eco   |
| Memory                                     |   |
| Type of memory                             | DDR4-3200 SO-DIMM   |
| Main memory                                | 4 / 8 / 16 / 32 GB; ECC optional  |
| Hardware configuration                     |   |
| Slots                                      |   |
| • Number of PCI slots                      | 0   |
| • 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 / 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  |
| Interrupts/diagnostics/status information   |   |
| LED status display  | No  |
| Bus diagnostics   | Yes   |
| Integrated Functions  |   |
| 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  |
| EMC   |   |
| 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  |
| 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 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   |
| Use in hazardous areas  |   |
| <ul style="list-style-type: none"> <li>CCC Ex</li> </ul>  | 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.                               | 50 °C |

| Ambient temperature during storage/transportation |        |
|---|--------|
| • min.  | -20 °C |
| • max.  | 60 °C  |

| 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 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s <sup>2</sup> |

| Shock testing                 |  |
|-------------------------------|--|
| • Shock load during operation | Tested according to IEC 60068-2-27: 150 m/s <sup>2</sup> , 11 ms |

### Operating systems

|                                |     |
|--------------------------------|-----|
| without operating system       | Yes |
| pre-installed operating system |     |
| • Windows 7                    | No  |

### Software

|                  |                                     |
|------------------|-------------------------------------|
| SIMATIC Software | Optional package with SIMATIC WinCC |
|------------------|-------------------------------------|

### Dimensions

|                                   |         |
|-----------------------------------|---------|
| Width of the housing front        | 398 mm  |
| Height of housing front           | 257 mm  |
| Mounting cutout, width            | 382 mm  |
| mounting depth                    | 91.6 mm |
| mounting depth with PCI expansion | 117 mm  |

### Weights

|                 |      |
|-----------------|------|
| Weight, approx. | 7 kg |
|-----------------|------|

### Approvals / Certificates

#### General Product Approval



[Miscellaneous](#)

[China RoHS](#)



#### General Product Approval

[BIS CRS](#)



[Dangerous goods in-formation](#)

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