

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-1155MLE (1.9/4.4 GHz, 6C/12T); 8 GB; M.2 SSD 256 GB Eco; without 2nd mass storage; Windows 10 IoT Enterprise 2021 LTSC for Celeron, Xeon W-1155MLE, Xeon W-1155MLE; with 1 x PCIe slot and additionally 1 x com (RS232/485/422) (2 in total) USB restore stick with D&D and software image (if selected) 24 V DC industrial power supply (power failure, isolated, bridging time);

| General information | |
|--|--|
| Product type designation | SIMATIC IPC 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 |
| 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 |
| Power loss | |
| In full configuration | 24 V DC: max. 88 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-1155MLE and Intel® Xeon® W-11865MLE) |
| Drives | |
| Hard disk | M.2 SSD ≥ 240 GB |
| SSD | Yes; ≥ 240 GB optional, RAID1 optional |

| Memory | |
|---|---|
| Type of memory | DDR4-3200 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; optional |
| Hardware configuration | |
| Slots | |
| <ul style="list-style-type: none"> • free slots • Number of PCI slots • Number of compact flash slots | 1x PCIe; optional: 1x PCIe (x4), with card retainer 1; Optional 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 |
| Video interfaces | |
| <ul style="list-style-type: none"> • Graphics interface | 2x DisplayPort (DP1.4-capable): maximum 4096 × 2304 / 60 Hz / 36 bit |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> • Industrial Ethernet interface <ul style="list-style-type: none"> — 100 Mbps — 1000 Mbps | 4x Ethernet (RJ45) Yes Yes |
| Interrupts/diagnostics/status information | |
| Bus diagnostics | Yes |
| Integrated Functions | |
| Monitoring functions | |
| <ul style="list-style-type: none"> • Temperature monitoring • Watchdog • Fan • Monitoring function via network | Yes Yes No Optional |
| EMC | |
| Interference immunity against discharge of static electricity | |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • 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 | |
| <ul style="list-style-type: none"> • Interference immunity on supply cables • Interference immunity on signal cables >30m • Interference immunity on signal cables < 30m | ±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 ±2 kV acc. to IEC 61000-4-4, burst; ±2 kV acc. to IEC 61000-4-5, surge ±1 kV acc. to IEC 61000-4-4, Burst |
| Interference immunity against voltage surge | |
| <ul style="list-style-type: none"> • asymmetric interference • symmetric interference | ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric |
| Interference immunity to magnetic fields | |
| <ul style="list-style-type: none"> • Interference immunity to magnetic fields at 50 Hz | 100 A/m; to IEC 61000-4-8 |
| Emission of conducted and non-conducted interference | |
| <ul style="list-style-type: none"> • Interference emission via line/AC current cables | 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"> • 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 | |
| Marine approval | | |
| <ul style="list-style-type: none"> • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) | <ul style="list-style-type: none"> Yes Yes Yes Yes Yes Yes Yes | |
| Ambient conditions | | |
| Ambient temperature during operation | | |
| <ul style="list-style-type: none"> • min. • max. | <ul style="list-style-type: none"> 0 °C 50 °C | |
| Ambient temperature during storage/transportation | | |
| <ul style="list-style-type: none"> • min. • max. | <ul style="list-style-type: none"> -20 °C 60 °C | |
| Relative humidity | | |
| <ul style="list-style-type: none"> • Relative humidity • Operation, max. | <ul style="list-style-type: none"> 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% 85 % | |
| Vibrations | | |
| <ul style="list-style-type: none"> • Vibration resistance during operation acc. to IEC 60068-2-6 | <ul style="list-style-type: none"> tested according to IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s² | |
| Shock testing | | |
| <ul style="list-style-type: none"> • Shock load during operation | <ul style="list-style-type: none"> Tested according to IEC 60068-2-27: 150 m/s², 11 ms | |
| Operating systems | | |
| pre-installed operating system | Windows 10 IoT Enterprise 2021 LTSC, Industrial OS | |
| without operating system | Yes; Optional | |
| pre-installed operating system | | |
| <ul style="list-style-type: none"> • Windows 7 • Windows 10 Enterprise • Windows 11 | <ul style="list-style-type: none"> No Yes; Windows 10 IoT Enterprise 2021 LTSC No; in preparation | |
| 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 cutout, height | 241 mm | |
| mounting depth | 91.6 mm | |
| mounting depth with PCI expansion | 117 mm | |
| Weights | | |
| Weight, approx. | 7 kg | |
| Classifications | | |
| | Version | Classification |
| eClass | 14 | 19-20-01-03 |
| eClass | 12 | 19-20-01-03 |
| eClass | 9.1 | 19-20-01-03 |
| eClass | 9 | 19-20-01-03 |
| eClass | 8 | 27-24-23-01 |
| eClass | 7.1 | 27-24-23-01 |

| | | |
|--------|----|-------------|
| eClass | 6 | 27-24-23-01 |
| ETIM | 10 | EC001414 |
| ETIM | 9 | EC001414 |
| ETIM | 8 | EC001414 |
| ETIM | 7 | EC001414 |

Approvals / Certificates

General Product Approval

[Miscellaneous](#)



General Product Approval

Dangerous goods

[BIS CRS](#)



[China RoHS](#)



[Dangerous goods information](#)

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