



SIMATIC IPC547J (rack PC, 19", 4 U); interfaces: 2x USB 3.0 on the front; COM1, audio on the rear side; 7 slots: 5x PCI Express, 2x PCI, temperature and fan monitoring; watchdog; card retainer Core i5-10500E (6C/12T, 3.1 (4.2) GHz, 12 MB cache), mainboard (chipset H410, 2x Gbit Ethernet, 1x DVI-D, 1x DisplayPort, 4x USB 2.0, 2x USB 3.1 Gen. 1, 1x USB 2.0 internal), 1 TB HDD 3.5 SATA, enclosure (short) with drive support type C (for internal installation/ 0.2 g vibration, 2 g shock), blue chromated, 100/240 V AC industrial power supply unit, without power supply cable, 8 GB DDR4 SDRAM (2x 4 GB), dual channel, without expansion, Windows 10 IoT Enterprise 2019 LTSC MUI (en/de/fr/it/es), 64-bit for Core i3/i5, without expansions,

| Installation type/mounting | |
|--|---|
| Mounting | For horizontal and vertical installation; prepared for telescopic rails; 19" mounting bracket can be removed externally; tower kit (optional) |
| Design | Rack PC, 19", 4U |
| Supply voltage | |
| Type of supply voltage | 100/240 V AC (autorange) 50 / 60 Hz; optional redundant 100/240 V AC |
| Line frequency | |
| <ul style="list-style-type: none"> Rated value 50 Hz Rated value 60 Hz | <ul style="list-style-type: none"> Yes Yes |
| Mains buffering | |
| <ul style="list-style-type: none"> Mains/voltage failure stored energy time | 20 ms |
| Graphic | |
| Graphics card | Yes |
| Drives | |
| SSD | Yes |
| Slot for drives | Mounting internally in vibration/shock-absorbing drive cage Type B or mounting on the front in removable trays (hot swap in RAID configurations) in drive cage Type A; mounting internally on the fixed drive cage optional |
| Memory | |
| Capacity of main memory, max. | 128 Gbyte |
| Interfaces | |
| Connection for keyboard/mouse | USB |
| Multimedia | |
| <ul style="list-style-type: none"> Audio In/Out Microphone In | <ul style="list-style-type: none"> Yes Yes |
| Video interfaces | |
| <ul style="list-style-type: none"> Graphics interface | 2x DisplayPort and 1x DVI-D onboard; 1x VGA via DP-VGA adapter cable (optional); graphics card PCIe (x16), Triple Head (3x mini DisplayPort, 2 GB graphics memory, 3x mini DisplayPort to DisplayPort adapter cable) (optional) |
| Industrial Ethernet | |
| <ul style="list-style-type: none"> Industrial Ethernet interface <ul style="list-style-type: none"> 100 Mbps 1000 Mbps | <ul style="list-style-type: none"> Yes Yes |
| Integrated Functions | |
| Monitoring functions | |
| <ul style="list-style-type: none"> Temperature monitoring Watchdog Fan Monitoring function via network | <ul style="list-style-type: none"> Yes Yes Yes Optional |
| EMC | |
| Interference immunity against discharge of static electricity | |
| <ul style="list-style-type: none"> Interference immunity against discharge of static electricity | ±4 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 | ±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 |
| <ul style="list-style-type: none"> Interference immunity on signal cables >30m | ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m |
| <ul style="list-style-type: none"> Interference immunity on signal cables < 30m | ±1 kV acc. to IEC 61000-4-4, Burst |
| Interference immunity against voltage surge | |
| <ul style="list-style-type: none"> asymmetric interference | ±2 kV acc. to IEC 61000-4-5, surge asymmetric |
| <ul style="list-style-type: none"> symmetric interference | ±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 | 30 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 | EN 61000-6-3; EN 61000-6-4, CAN/CSA CISPR 22 Class B, EN 55032 Class B; FCC Class A; KN32 Class B, EN 61000-3-2 Class D; EN 61000-3-3 |
| Compliance with line harmonic distortion limits | |
| <ul style="list-style-type: none"> Compliance with line harmonic distortion acc. to IEC 61000-3-2, IEC 61000-3-3 | Yes; EN 61000-3-2 Class D; EN 61000-3-3 |
| Degree and class of protection | |
| IP (at the front) | IP30 |
| IP (rear) | IP20 |
| Standards, approvals, certificates | |
| CE mark | Yes; For use in industrial areas as well as domestic, business and commercial environments (emitted interference: EN 61000-6-3:2007 +A1:2011, noise immunity: EN 61000-6-2:2005) |
| CSA approval | Yes; CAN/CSA-C22.2 No. 61010-2-201 Second Edition |
| UL approval | UL 61010-2-201 Second Edition, File E85972 |
| cULus | Yes; UL 61010-2-201 Second Edition; CAN/CSA-C22.2 No. 61010-2-201 Second Edition |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| EAC (formerly Gost-R) | Yes |
| EMC | EN 61000-6-3; EN 61000-6-4, CAN/CSA CISPR 22 Class B, EN 55032 Class B; FCC Class A; KN32 Class B, EN 61000-3-2 Class D; EN 61000-3-3 |
| Dust protection | With front door closed: G2 EN 779, 99% of particles > 0.5 mm are filtered |
| Ambient conditions | |
| Ambient temperature during operation | |
| <ul style="list-style-type: none"> min. | 0 °C; Max. 10 °C/h (no condensation) |
| <ul style="list-style-type: none"> max. | 40 °C |
| Ambient temperature during storage/transportation | |
| <ul style="list-style-type: none"> min. | -20 °C |
| <ul style="list-style-type: none"> max. | 60 °C |
| Relative humidity | |
| <ul style="list-style-type: none"> Relative humidity | Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation) |
| Vibrations | |
| <ul style="list-style-type: none"> Vibration resistance during operation acc. to IEC 60068-2-6 | Tested according to IEC 60068-2-6, 10 cycles; 20 to 58 Hz: 0.015 mm; 58 to 200 Hz: 2 m/s ² (0.2 g) |
| Shock testing | |
| <ul style="list-style-type: none"> Shock load during operation | Tested according to IEC 60068-2-27; half-sine: 9.8 m/s ² (1 g), 20 ms, 100 shocks per axis |
| Operating systems | |
| Additional info on operating system | Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian) |
| without operating system | Yes |
| Software | |
| SIMATIC Software | Optional package with SIMATIC WinCC |
| Dimensions | |
| Width | 430 mm |
| Height | 177 mm; 4U |
| Depth | 446 mm; Device with short enclosure: 356 mm |

Approvals / Certificates

General Product Approval



[Manufacturer Declaration](#)



General Product Approval

Dangerous goods



[BIS CRS](#)



[Dangerous goods information](#)

Dangerous goods

Environment

[Test Summary Report UN 38.3](#)

[Environmental Confirmations](#)



Siemens EcoTech



[Environmental Confirmations](#)

last modified:

11/24/2025