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## Data sheet 6AG4104-4DE31-1EX1

SIMATIC IPC547G (Rack PC, 19", 4HU); Interfaces: 2x USB 3.0 on the front; 2x Intel Gigabit Ethernet, 2x PS/2, Audio on the rear side; 7 slots: 5x PCI Express, 2x PCI, Temperature and Fan monitoring; Watchdog; Card retainer Core i7-6700 (4C/8T, 3.4 (4.0) GHz, 8 MB cache); Mainboard: (chipset H110, 1x DVI-D, 1x display port V1.2, 2x USB 3.0 and 4x USB 2.0 on the rear side) 2x 480 GB SSD, internal 32 GB DDR4 SD-RAM (2x 16 GB), Dual Channel Enclosure blue chromated, 100/240V AC industrial power supply unit, without removable data storage media Graphics onboard; Adapter cable DP According to VGA for onboard graphic Windows 10 Enterprise 2016 LTSB MUI (en/de/fr/it/es), 64 bit for Core i7/Xeon without expansions (software) Power supply cable Europe

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| **General information** | |
| Product type designation | IPC547G |
| **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 | |
| ● Rated value 50 Hz | Yes |
| ● Rated value 60 Hz | Yes |
| Mains buffering | |
| ● Mains/voltage failure stored energy time | 20 ms |
| **Processor** | |
| Processor type | Xeon E3-1275 v5 (4C/8T, 3.6 (4.0) GHz, 8 MB Cache); Core i7-6700 (4C/8T, 3.4 (4.0) GHz, 8 MB Cache); Core i5-6500 (4C/4T, 3.2 (3.6) GHz, 6 MB Cache); Pentium G4400 (2C/2T, 3.3 GHz, 3 MB Cache) |
| Chipset | Intel C236 / Intel H110 |
| **Graphic** | |
| Graphics controller | Onboard Intel HD graphics P530 / 530 /510 integrated in processor; graphics card PCIe (x16) (dual head: 2x VGA or 2x DVI-D) (optional) |
| **Drives** | |
| Optical drives | DVD±R/RW (SlimLine) |
| Hard disk | Internal installation: 1 TB HDD, 2x 1 TB HDD, RAID1 (2x 1 TB HDD), RAID1 (2x 1 TB HDD (Enterprise)); for front mounting in low-profile removable drive bay trays (hot-swap in RAID configuration): 1 TB HDD, 2x 1 TB HDD, RAID1 (2x 1 TB HDD), RAID1 (2x 1 TB HDD (Enterprise)), RAID1 (2x 2 TB HDD (Enterprise)), RAID1 (2x 2 TB HDD (Enterprise)) + 1x 2 TB HDD (Enterprise) as hot spare, RAID1 (2x 2 TB HDD (Enterprise)) + 1x 480 GB SSD, RAID5 (3x 2 TB HDD (Enterprise)), RAID5 (3x 2 TB HDD (Enterprise)) + 1x 2 TB HDD(Enterprise) as hot spare |
| SSD | Yes; 1x 240 GB, 1x 480 GB SSD, 2x 480 GB SSD, RAID1 (2x 480 GB SSD) |
| Slot for drives | Mounted internally in vibration/shock-absorbing hard disk support, or mounted at the front in the low-profile removable drive bay (hot-swap in RAID configurations) |
| **Storage** | |
| Main memory | 4 GB to 64 GB DDR4-2133 SDRAM |
| Capacity of main memory, max. | 64 Gbyte |
| **Interfaces** | |
| Interfaces/bus type | Interfaces mainboard (H110 chipset): 2x Intel Gigabit Ethernet (RJ45, teaming-capable), 4x USB 3.0: 2x on rear, 2x on front, 4x USB 2.0: 4x on rear, 1x DisplayPort V1.2, 1x DVI-D, 2x PS/2, audio: Line in, line out, micro; interfaces mainboard (C236 chip set): 2x Intel Gigabit Ethernet (RJ45, teaming-capable), 6x USB 3.0: 4x on rear, 2x on front, 5x USB 2.0: 4x on rear, 1x internal e.g. for software dongle with optional interlock, 2x DisplayPort V1.2, 1x DVI-D, 1x COM1, 2x PS/2, audio: line in, line out, micro |
| serial interface | COM1: 1x RS 232, COM2 (optional): 1x RS 232 |
| Video interfaces | |
| ● Graphics interface | 2x DisplayPort and 1x DVI-D onboard; 1x VGA via DP-VGA adapter cable |


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| | (optional); graphics card PCIe (x16), Dual Head (2x VGA or 2x DVI-D), 1 GB graphics memory (optional) |
| Industrial Ethernet | |
| ● Industrial Ethernet interface | |
| — 100 Mbps | Yes |
| — 1000 Mbps | Yes |
| **Interrupts/diagnostics/status information** | |
| LED status display | POWER, HDD, TEMP, FAN, HDD0 ALARM, HDD1 ALARM, HDD2 ALARM, HDD3 ALARM |
| **Integrated Functions** | |
| Monitoring functions | |
| ● Temperature monitoring | Yes |
| ● Fan | Yes |
| ● Monitoring function via network | Optional |
| **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 | Yes; 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 |
| Dust protection | With front door closed: G2 EN 779, 99% of particles > 0.5 mm are filtered |
| **Ambient conditions** | |
| Ambient temperature during operation | |
| ● min. | 0 °C |
| ● max. | 40 °C |
| Ambient temperature during storage/transportation | |
| ● min. | -20 °C |
| ● max. | 60 °C |
| Vibrations | |
| ● 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/s² (0.2 g) |
| **Operating systems** | |
| pre-installed operating system | Windows 7 Ultimate multi-language (32-bit / 64-bit); Windows 10 Enterprise 2015 LTSB, multi-language (64-bit); Windows 10 Enterprise 2016 LTSB, multi-language (64-bit); Windows 10 IoT Enterprise 2019 LTSC, multi-language (64-bit); Windows Server 2008 R2 Standard Edition incl. 5 multi-language clients (64-bit); Windows Server 2012 R2 Standard Edition incl. 5 multi-language clients (64-bit); Windows Server 2016 Standard Edition incl. 5 multi-language clients (64-bit) |
| without operating system | Yes |
| **Dimensions** | |
| Width | 430 mm |
| Height | 177 mm; 4U |
| Depth | 446 mm; Device with short enclosure: 356 mm |
| **Approvals / Certificates** | |
| **General Product Approval** | |

Miscellaneous | Manufacturer Declaration










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| **General Product Approval** |


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BIS CRS | Manufacturer Declaration | China RoHS

| General Product Approval | Dangerous goods | | | |
|---|---|---|---|---|
|   |   | Test Summary Report UN 38.3 | Dangerous goods information | Dangerous goods information | Test Summary Report UN 38.3 |

| Environment | |
|---|---|
| Environmental Confirmations | Environmental Confirmations |

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