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## Data sheet 6AG4140-8BC27-0PA0

| | |
|---|---|
| | *** no longer available *** SIMATIC IPC427D (Microbox PC), HD graphic onboard, 2x10/100/1000 Mbit/s Ethernet RJ45, 4xUSB V3.0 (high current), PCIe (optional), 24 V DC power supply Core i7-3517UE; 1x Gbit Ethernet (IE/PN); 1x PROFINET (IRT, 3 ports); DIN rail mounting; 4 GB; 1x RS-232; 2x PCIE; Windows 7 Ultimate 64-bit, Replaceable without drive; SSD 240 GB Standard (MLC); without SIMATIC software |
| **General information** | |
| Product type designation | IPC427D |
| **Installation type/mounting** | |
| Mounting | DIN rail, wall mounting, portrait mounting |
| Design | Box PC, built-in unit |
| **Supply voltage** | |
| Type of supply voltage | 24 V DC |
| **Processor** | |
| Processor type | Celeron 827E (1C/1T, 1.40 GHz, 1.5 MB Cache); Core i3-3217UE (2C/4T, 1.60 GHz, 3 MB Cache); Core i7-3517UE (2C/4T, 1.70 (2.80) GHz, 4 MB Cache, iAMT) |
| **Graphic** | |
| Graphics controller | Intel HD Graphics, Intel HD Graphics 4000 |
| **Drives** | |
| Hard disk | 2.5" SATA ≥ 320 GB |
| SSD | Yes; 1x 240 GB SSD, 1x 480 GB SSD |
| **Storage** | |
| Type of memory | DDR3 SO-DIMM |
| Main memory | 2 / 4 / 8 GB; ECC optional |
| Capacity of main memory, max. | 8 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 | |
| ● Number of PCI slots | 2; Optional |
| ● Number of compact flash slots | 2; CFast |
| **Interfaces** | |
| Number of industrial Ethernet interfaces | 2 |
| Number of PROFINET interfaces | 1; 3 ports (incl. switch) |
| serial interface | COM1: 1x RS 232, COM2 (optional): 1x RS 232 |
| Video interfaces | |
| ● Graphics interface | 1x DisplayPort and 1x DVI-I; 1x VGA via adapter cable (optional) |
| Industrial Ethernet | |
| ● Industrial Ethernet interface | |
| — 100 Mbps | Yes |
| — 1000 Mbps | Yes |
| **Interrupts/diagnostics/status information** | |
| LED status display | Yes |
| Bus diagnostics | Yes |
| **Integrated Functions** | |
| Monitoring functions | |
| ● Temperature monitoring | Yes |
| ● Fan | No |
| ● Monitoring function via network | Optional |
| **Degree and class of protection** | |
| IP (at the front) | IP20 |


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| | |
|---|---|
| IP (rear) | IP20 |
| **Standards, approvals, certificates** | |
| CE mark | Yes; CE marking / EC Declaration of Conformity |
| UL approval | Yes |
| ● UL 508 | Yes |
| cULus | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval | Yes |
| FCC | Yes |
| Use in hazardous areas | |
| ● ATEX Zone 2 | Yes; Optional |
| ● IECEx Zone 2 | Yes; Optional |
| ● cULus Class I Zone 2, Division 2 | Yes; Optional |
| ● FM Class I Division 2 | 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. | 55 °C |
| Ambient temperature during storage/transportation | |
| ● min. | -40 °C |
| ● max. | 70 °C |
| Vibrations | |
| ● Vibration resistance during operation acc. to IEC 60068-2-6 | tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g) |
| **Operating systems** | |
| pre-installed operating system | Windows 7 Ultimate (Multi-Language) 32-bit / 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit |
| without operating system | Yes; Optional |
| pre-installed operating system | |
| ● Windows 7 | Yes; Ultimate 32 bit or 64 bit |
| **Dimensions** | |
| Width | 262 mm |
| Height | 139.7 mm |
| Depth | 50.5 mm |

**Classifications**

| | Version | Classification |
|---|---|---|
| eClass | 16 | 19-20-01-02 |
| eClass | 14 | 19-20-01-02 |
| eClass | 12 | 19-20-01-02 |
| eClass | 9.1 | 19-20-01-02 |
| eClass | 9 | 19-20-01-02 |
| eClass | 8 | 19-20-01-02 |
| eClass | 7.1 | 19-20-01-02 |
| eClass | 6 | 19-20-01-02 |
| ETIM | 10 | EC001413 |
| ETIM | 9 | EC001413 |
| ETIM | 8 | EC001413 |
| ETIM | 7 | EC001413 |

**Approvals / Certificates**


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| General Product Approval | | | | | |
|---|---|---|---|---|---|
| Miscellaneous | Manufacturer Declaration | | | | |

| General Product Approval | | | | | |
|---|---|---|---|---|---|
| | | BIS CRS | Manufacturer Declaration | China RoHS | |

| General Product Approval | Maritime application | | | Dangerous goods | |
|---|---|---|---|---|---|
| | | | KR (Korean Register of Shipping) | Test Summary Report UN 38.3 | Dangerous goods information |

| Dangerous goods | | Environment | |
|---|---|---|---|
| Dangerous goods information | Test Summary Report UN 38.3 | Environmental Confirmations | Environmental Confirmations |

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