

SIMATIC IPC847C (Rack PC, 19", 4HU); Interfaces: 2 x Gbit LAN(RJ45) 1x DVI-I; audio; 2x COM, 1x LPT; 2x PS/2; 4x USB 2.0 on rear, 2x USB 2.0 on the front; temp. and fan monitoring; Watchdog, Card retainer

### Supply voltage

|   |                |
|---|----------------|
| Type of supply voltage  | 100 - 240 V AC |
| Line frequency  |                |
| <ul style="list-style-type: none"> <li>Rated value 50 Hz</li> </ul> | Yes            |
| <ul style="list-style-type: none"> <li>Rated value 60 Hz</li> </ul> | Yes            |

### Processor

|                |   |
|----------------|---|
| Processor type | Core i7-610E (2.53 GHz 2C/4T, 4 MB Cache, TB, VT-x, VT-d, EM64T); Core i5-520E (2.4 GHz, 2C/4T, 3 MB Cache, TB, VT-x, VT-d, EM64T); Core i3-330E (2.13 GHz, 2C/4T, 3 MB Cache, VT-x, EM64T) |
|----------------|---|

### Drives

|           |  |
|-----------|--|
| Hard disk | 250 GB or 500 GB SATA HDD, RAID1/RAID5 HDD, 32 GB SATA SSD, installed internally on the drive carrier, in the shock and vibration-damped drive rack, or on the front drive support in the swap frame |
|-----------|--|

### Memory

|                               |                            |
|-------------------------------|----------------------------|
| Type of memory                | DDR3-SDRAM                 |
| Main memory                   | 1 GB to 8 GB, ECC optional |
| Capacity of main memory, max. | 8 Gbyte                    |

### Hardware configuration

|  |   |
|--|---|
| Slots  |   |
| <ul style="list-style-type: none"> <li>free slots</li> </ul> | 7x PCI, 1x PCIe x16 or 7 x PCI, 3x PCIe x4, 1x PCIe x16; all modules up to 312 mm in length are supported |

### Interfaces

|  |  |
|--|--|
| Interfaces/bus type  | 2x COM, 1x LPT, 1x DVI-I, 2x PS/2, audio (Microphone In, Line Out), 7x USB 2.0, 2x Gigabit Ethernet, PROFIBUS or PROFINET optional |
| PROFIBUS/MPI   | onboard, isolated, max. 12 Mbit/s, CP 5611-compatible  |
| USB port   | 2x USB 2.0 on front, 4x USB 2.0 on rear, 1x USB 2.0 internal   |
| Connection for keyboard/mouse  | 2x PS/2  |
| serial interface   | COM1: 1 x V.24 (RS232), COM2: 1 x V.24 (RS232C)  |
| parallel interface   | LPT1 (EPP/ECP)   |
| Video interfaces   |  |
| <ul style="list-style-type: none"> <li>Graphics interface</li> </ul> | 1 x DVI-I or 1 x VGA (via adapter) optional  |

| 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> | 2 x Ethernet (RJ45)<br>Yes<br>Yes  |
| Integrated Functions   |  |
| Monitoring functions   |  |
| <ul style="list-style-type: none"> <li>Temperature monitoring</li> <li>Watchdog</li> <li>Status LEDs</li> </ul>  | Yes<br>Yes<br>POWER; HARD DISK; ETHERNET 1; ETHERNET 2; PN I<br>MPI/DP; WATCHDOG; TEMP; HDD1 ALARM; HDD2 ALARM;<br>HDD3 ALARM  |
| Ambient conditions   |  |
| Ambient temperature during operation   |  |
| <ul style="list-style-type: none"> <li>Ambient temperature during operation</li> <li>min.</li> <li>max.</li> </ul>   | +5 °C to +35 °C without restrictions, +5 °C to +45 °C no burner<br>operation, +5 °C to +50 °C no ODD operation, power dissipation<br>of the expansion modules in total less than 30 W<br>5 °C<br>50 °C |
| Relative humidity  |  |
| <ul style="list-style-type: none"> <li>Relative humidity</li> </ul>  | Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80%<br>at 25 °C (no condensation)  |
| Vibrations   |  |
| <ul style="list-style-type: none"> <li>Vibration resistance during operation acc. to IEC 60068-2-6</li> </ul>  | Tested according to IEC 60068-2-6: 10 cycles, 10 Hz to 58 Hz:<br>0.0375 mm, 58 Hz to 500 Hz: 4.9 m/s <sup>2</sup> (0.5 g)  |
| Shock testing  |  |
| <ul style="list-style-type: none"> <li>Shock load during operation</li> </ul>  | Tested according to IEC 60068-2-27, IEC 60068-2-29: half-sine:<br>50 m/s <sup>2</sup> (5 g), 30 ms, 100 shocks per axis  |
| Operating systems  |  |
| Operating system   | Windows XP Professional, 32-bit, MUI; Windows 7 Ultimate, 32-bit, MUI; Windows Server 2008 Standard Edition incl. 5 Clients, 32-bit, MUI   |
| pre-installed operating system   | Windows XP Professional, 32-bit, MUI; Windows 7 Ultimate, 32-bit, MUI; Windows Server 2008 Standard Edition incl. 5 Clients, 32-bit, MUI   |
| Additional info on operating system  | Multi-Language User Interface (MUI): 5 languages (English, German, French, Spanish, Italian)   |
| Software   |  |
| SIMATIC Software   | Optional in a package with SIMATIC WinCC, WinCC flexible, or WinAC RTX   |
| <b>last modified:</b>  | 05/20/2018   |