

SIMATIC IPC847C (RACK PC, 19", 4U);
 INTERFACES: 2 X GBIT LAN (RJ45);
 1 X DVI-I;
 AUDIO;
 2 X COM;
 1 X LPT;
 2 X PS/2;
 4 X USB 2.0 BACKSIDE,
 2 X USB 2.0 FRONTSIDE;
 TEMPERATURE AND FAN CONTROL;
 WATCHDOG;
 BOARD RETAINER CORE I5-520E (2C/4T, 2.4 GHZ, 3MB
 CACHE, TB, VT-X, VT-D, EM64-T, AMT);
 MOTHERBOARD W/O FIELDBUS;
 RAID5 1 TB (3 X 500GB HDD SATA, REMOVABLE DISK,
 HOT-SWAP; FRONTSIDE MOUNTED; 4 GB DDR3 SDRAM
 (2 X 2GB), DUAL CHANNEL; DVD +/- RW; BOARD WITH 8
 SLOTS: 7 X PCI, 1 X PCIE X16; WITHOUT HW
 EXTENSIONS; WITHOUT OPERATING SYSTEM,
 WITHOUT SOFTWARE 110/230 INDUSTRIAL POWER
 SUPPLY WITH NAMUR; PS CORD EUROPE

Supply voltage

Type of supply voltage	100 - 240 V AC
Supply voltage	100 - 240 V AC

Line frequency

Line frequency	50 - 60 Hz
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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)
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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
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Memory

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

Interfaces

Interfaces	2 x COM, 1 x LPT, 1 x DVI-I, 2 x PS/2, audio (Microphone In, Line Out), 7 x USB 2.0, 2 x Gigabit Ethernet, PROFIBUS or PROFINET optional
PROFIBUS/MPI	Onboard, isolated, max. 12 Mbit/s, CP5611-compatible
USB port	2x USB 2.0 on front, 4x USB 2.0 on rear, 1x USB 2.0 internal
Free slots	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
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	
Graphics interface	1 x DVI-I or 1 x VGA (via adapter) optional
Industrial Ethernet	
Industrial Ethernet interface	2 x Ethernet (RJ45)
100 Mbps	Yes
1000 Mbps	Yes
Monitoring functions	
Temperature	Yes
Watchdog	Yes
Status LEDs	POWER; HARD DISK; ETHERNET 1; ETHERNET 2; PN I MPI/DP; WATCHDOG; TEMP; HDD1 ALARM; HDD2 ALARM; HDD3 ALARM
Ambient conditions	
Ambient temperature in operation	
Ambient temperature in operation	+ 5 °C to + 35 °C without restrictions; + 5 °C to + 45 °C no burner operation; + 5 °C to + 50 °C no ODD operation; power dissipation of the expansion modules in total less than 30 W
during operating phase, minimum	5 °C
during operating phase, maximum	50 °C
Relative humidity	
Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80% at 25 °C (no condensation)
Shock testing	
Shock loading in operation	Tested according to IEC 60068-2-27, IEC 60068-2-29: half-sine: 50 m/s ² (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
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

