

No longer available SIMATIC IPC647C (Rack PC, 19", 2HU);
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; 1x USB 2.0 internal; Temp.
and fan monitoring; Watchdog, card retainer Core i3-330E (2C/4T, 2.13
GHz, 3 MB cache, VT-X, EM64-T); mainboard without fieldbus 250 GB
HDD SATA, 0.5 G vibration, 5 G shock, internal 2 GB DDR3 SD-RAM (1x 2
GB), Single channel without removable data storage media Bus module 3
slots: 2x PCI, 1x PCIE X16; without hardware expansions WinXP
Professional, 32 bit, MUI (D,E,F,S,I), SP3 without software 110/230V
industrial power supply unit with NAMUR, Power supply cable Europe

Supply voltage	
Type of supply voltage	100 - 240 V AC
Line frequency	
• Rated value 50 Hz	Yes
• Rated value 60 Hz	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 HDD, 32 GB SATA SSD, installed internally 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	
• free slots	2x PCI, 1x PCIe (x16) or 1x PCI, 1x PCIe (x8) (4 lane), 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
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 (RS 232), COM2: 1 x V.24 (RS 232C)
parallel interface	LPT1 (EPP/ECP)
Video interfaces	
• Graphics interface	1 x DVI-I or 1 x VGA (via adapter) optional
Integrated Functions	
Monitoring functions	
• Temperature monitoring	Yes
• Watchdog	Yes
• Status LEDs	POWER; HARD DISK; ETHERNET 1; ETHERNET 2; PROFIBUS/MPI; SF PROFINET; WATCHDOG; TEMP; HDD1 ALARM; HDD2 ALARM
Standards, approvals, certificates	
CE mark	Yes
Ambient conditions	
Ambient temperature during operation	
• Ambient temperature during 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
Relative humidity	
• Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80% at 25

	°C (no condensation)
Vibrations	
Vibration resistance during operation acc. to IEC 60068-2-6	Tested according to IEC 60068-2-6: 10 cycles, 10 Hz to 58 Hz: 0.0375 mm, 58 Hz to 500 Hz: 4.9 m/s ² (0.5 g)
Shock testing	
Shock load during 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

last modified:

1/21/2021 