

SIMATIC IPC547D (RACK PC, 19", 4U);
 INTERFACES: 2X GBIT LAN (RJ45),
 1X DISPLAYPORT, 1X DVI-I, 8X USB BACK,
 2X USB FRONT, 1X USB INTERNAL,
 1X SERIAL (COM1), 2X PS/2, AUDIO;
 7 EXP. SLOTS (LONG): 4X PCI,
 1X PCIE X16, 1X PCIE X16 (4 LANES),
 1X PCIE X8 (1 LANE);
 DRIVE BAYS: 6 (3X 5.25", 1X 3.5" FRONT-ACCESS; 2X 3.5" INTERNAL);
 TEMPERATURE AND FAN CONTROL;
 WATCHDOG;
 BOARD RETAINERS;
 PENTIUM DUAL CORE G850 (2C/2T, 2.9 GHZ, 3 MB LL CACHE, EM64T, VT);
 500 GB HDD SATA;
 INTERNALLY MOUNTED;
 2 GB DDR3 SDRAM (2X 1 GB),
 DUAL CHANNEL;
 DVD-ROM;
 SERIAL INTERFACE (COM2) + PARALLEL (LPT);
 GRAPHICS ONBOARD;
 WINDOWS XP PROFESSIONAL MUI (EN/GE/FR/IT/SP),
 32BIT, SP3;
 WITHOUT EXTENSION (SW);
 100/240V INDUSTR. POWER SUPPLY;
 POWER 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

Processor

Processor type

Core i7-2600 (4C/8T, 3.4 GHz, 8 MB LL Cache, TB 2.0, EM64T, VT-x/-d, iAMT); Core i5-2400 (4C/4T, 3.1 GHz, 6 MB LL Cache, TB 2.0, EM64T, VT-x/-d, iAMT); Pentium Dual Core G850 (2C/2T, 2.9 GHz, 3 MB LL Cache, EM64T, VT)

Drives

Hard disk

500 GB or 1 TB SATA HDD; RAID1/RAID5; 50 GB SATA SSD; installed internally on the shock and vibration-damped drive support plate or in swap frame in the front drive rack

Memory

Type of memory

DDR3-SDRAM

Main memory	1 GB to 16 GB
Capacity of main memory, maximum	32 Gbyte
Interfaces	
Interfaces	2x Gbit Ethernet (RJ45), 1x DisplayPort, 1x DVI-I, 8x USB 2.0 at the rear, 2x USB 2.0 on front, 1x USB 2.0 internal, 2x COM (1x optional), 1x LPT (optional), 2x PS/2, audio (Line in, Line out, Micro)
USB port	8x USB 2.0 at the rear, 2x USB 2.0 on front, 1x USB 2.0 internal
Free slots	4x PCI, 1x PCIe x16, 1x PCIe x16 (4 lanes), 1x PCIe x8 (1 lane)
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	1x DisplayPort and 1x DVI-I; 1x VGA via adapter cable (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, HDD, TEMP, FAN; HDD Alarm LEDs behind the front flap
Standards, approvals, certificates	
CE mark	Yes
KC approval	Yes
Ambient conditions	
Ambient temperature in operation	
Ambient temperature in operation	+5 °C to +40 °C in maximum configuration without loss of power (throttling)
during operating phase, minimum	5 °C
during operating phase, maximum	40 °C
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 load in operation	Tested according to IEC 60068-2-6, 10 cycles; 20 to 58 Hz: 0.015 mm; 58 to 200 Hz: 2 m/s ² (0.2 g)
Shock testing	
Shock loading in operation	Tested according to IEC 60068-2-27, IEC 60068-2-29; half-sine: 9.8 m/s ² (1 g), 20 ms, 100 shocks per axis
Operating systems	

Operating system	Windows XP Professional, MUI, 32-bit; Windows 7 Ultimate, MUI, 32/64-bit; Windows Server 2008 Standard Edition incl. 5 clients, MUI, 32 bit; Windows Server 2008 R2 Standard Edition incl. 5 clients, MUI, 64-bit
Additional info on operating system	Multi Language User Interface (MUI): 5 languages: English, German, French, Spanish, Italian
Pre-installed operating system	Yes
Windows XP Prof.	Yes
without operating system	Yes
Software	
SIMATIC Software	Optional in a package with SIMATIC WinCC, WinCC flexible, or WinAC RTX
Cables	
Warranty	24 months liability for defects
Status	Dec 20, 2014