

SIEMENS



Industry Automation

USO ESTERNO

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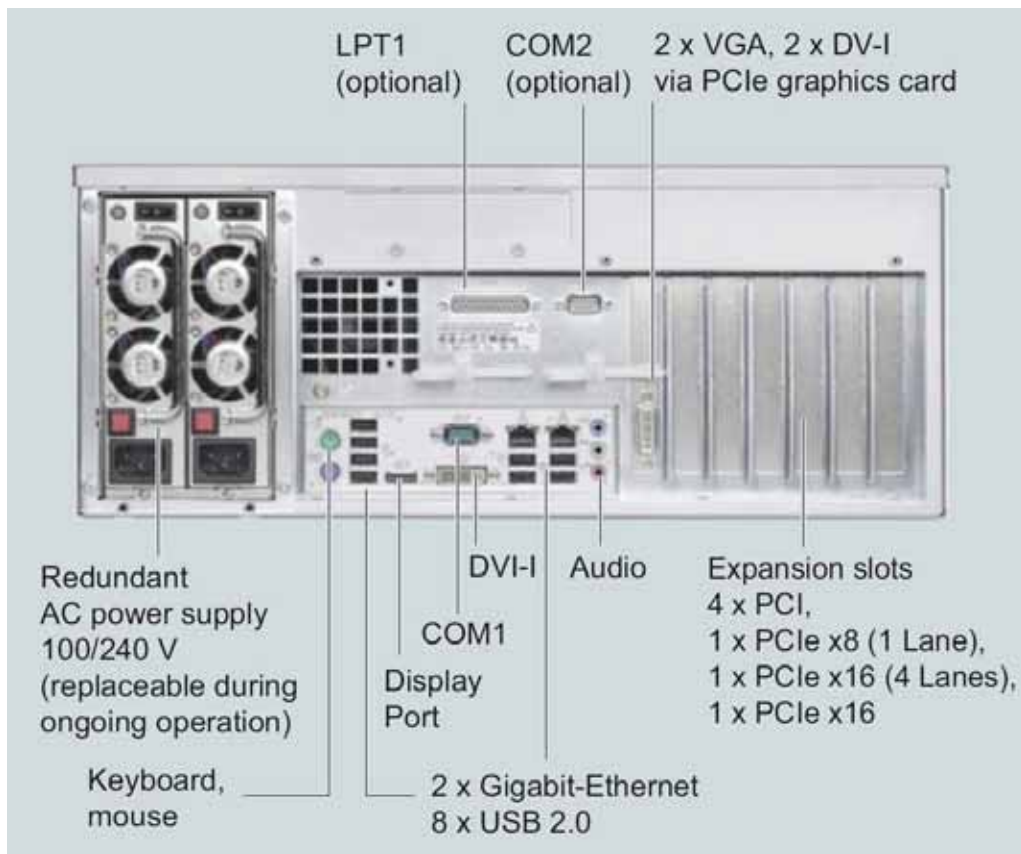
Annuncio nuovo prodotto SIMATIC IPC547D

A partire da oggi è ordinabile il nuovo **SIMATIC IPC547D** con processore Intel Core i7 e harddisk da 1TB e/o SSD da 50GB.



Caratteristiche chiave del SIMATIC IPC547D

- Massima potenza di calcolo grazie al processore Intel® Core i7-2600 (nuova generazione Intel 2011) a 3,4GHz (max. 3,8GHz) e alla RAM fino a 32GB
- Opzione RAID 5 per una maggior quantità di memoria preservando la sicurezza dei dati
- Opzione con 50GB Solid State Disc (SSD)
- Ridondanza dell'alimentazione
- Opzioni per diagnostica e monitoraggio intensivo tramite LED frontali e software di diagnostica
- Disponibile per montaggi orizzontali o opzionalmente verticali (Tower Kit)
- Doppia GBit LAN su bus PCI Express con capacità di teaming
- 11 porte USB 2.0 di cui due su frontale e una interna
- Porta DVI-I e Display Port (DP) per dual monitoring
- Multi monitoring con 4 display tramite scheda grafica onboard e scheda grafica opzionale
- Disponibile con Windows 7 32bit e 64bit, da Q4 2011 anche con Windows 2008 Server 64 bit
- Integra la tecnologia Intel Active Management iAMT 7.0 per reindirizzare la tastiera, il mouse e il video tramite rete (con software IPC Remote Manager)
- Installazione e interfacciamento compatibili col modello precedente
- Sono presenti anche interfacce *datate*: PS/2, COM e LPT
- Certificazioni UL e CE per l'uso in aree residenziali e commerciali



Compatibilità IPC547D vs. Rack IPC547C

I SIMATIC IPC547D e SIMATIC IPC547C non sono compatibili a livello di immagine in quanto la componentistica usata sui nuovi PC risulta più avanzata.

Migrazione

Il SIMATIC IPC 547D sostituirà a breve termine il SIMATIC IPC547C. Il SIMATIC Rack PC 547C che rimarrà disponibile per ulteriori 3 mesi prima della fase di dismissione che durerà ca. 6 mesi. Il SIMATIC IPC547D sarà disponibile alla vendita per almeno 1,5 anni, inoltre saranno disponibili i ricambi dei componenti per ulteriori 3 anni dalla data di dismissione.

Ulteriori estensioni per il Rack PC547D

	Codice d'ordinazione
Tower-Kit per modificare il Rack PC in un Tower PC industriale	6ES7648-1AA00-0XC0
Telaio rimovibile Hot swap per l' HDD 3.5", Serial ATA (senza hard disk)	6ES7648-0EG00-1BA0
Elemento per fissaggio interfaccia USB interna	6ES7648-1AA00-0XJ0
SIMATIC IPC Remote Manager V1.0	6ES7648-6EA01-0YA0
SIMATIC IPC Service USB-FlashDrive, 8GB (SLC) USB 2.0, con Image&Partition Creator e BIOS-Manager preinstallati, custodia in metallo	6AV7672-8JD01-0AA0
SIMATIC IPC USB-FlashDrive, 8 GB (SLC) USB 2.0, incluso SIMATIC PC BIOS-Manager, bootable, custodia in metallo	6ES7648-0DC50-0AA0

Estensione della garanzia a 36 mesi	A5E00510072
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Ugi wg"cdgmc"eqp"fhgtgp| g"vgeplej g"vtc'769E" g'769F

Dati tecnici con differenze tra SIMATIC IPC547D e SIMATIC Rack PC 547C (in neretto)

	SIMATIC <u>IPC547D</u>	SIMATIC IPC547C
	<u>NEW</u>	PRESENTLY
Order Number (Body)	<u>6AG4104-2....-....</u>	6AG4104-1....-....
Availability	<u>Delivery Start is July 2011</u>	Since July 2009
General Attributes		
Form Factor	19" Rack, 4 U Painted on the Outside Ready for Telescopic Rails Suitable for horizontal and vertical Mounting 19" Mounting Bracket detachable from the Outside Tower Kit (optional) for the Conversion to a Tower PC	19" Rack, 4 U Painted on the Outside Ready for Telescopic Rails Suitable for horizontal and vertical Mounting 19" Mounting Bracket detachable from the Outside Tower Kit (optional) for the Conversion to a Tower PC
Motherboard	<u>FTS D3076-S1</u>	FTS D2836-S1
Chipset	<u>Intel Q67</u>	Intel Q45 + ICH10DO
Processor	<u>Intel Core i7-2600 (4C/8T)</u> <u>3.40 GHz</u> <u>8 MB Cache</u> <u>Turbo Boost 2.0, EM64T, VT-x/-d, iAMT</u> <u>Intel Core i5-2400 (4C/4T) 3.10 GHz</u> <u>6 MB Cache</u> <u>Turbo Boost 2.0, EM64T, VT-x/-d, iAMT</u> <u>Intel Pentium Dual Core G850 (2C/2T)</u> <u>2.90 GHz</u> <u>3 MB Cache, EM64T, VT</u>	Intel Core 2 Quad E9400 (4C/4T) 2.66 GHz 1333 MHz FSB, 6 MB L2 Cache EM64T, VT-x Intel Core 2 Duo E8400 (2C/2T) 3.00 GHz 1333 MHz FSB, 6 MB L2 Cache EM64T, VT-x Intel Pentium D. Core E5300 (2C/2T) 2.60 GHz, 800 MHz FSB, 2 MB L2 Cache, EM64T
Processor Socket	<u>LGA1155</u>	LGA775
Main Memory	1 GB <u>up to 16 GB orderable</u> Dual-Channel or Single-Channel <u>DDR3 1333</u> SDRAM, 4 Memory Sockets <u>Expandable up to 32 GB</u>	1 GB up to 8 GB orderable Dual-Channel or Single-Channel DDR2 800 SDRAM, 4 Memory Sockets Expandable up to 16 GB

Expansion Slots (all long)	<ul style="list-style-type: none"> • 4 x PCI • 1 x PCIe x16 • <u>1 x PCIe x16 (4 Lanes)</u> • 1 x PCIe x8 (1 Lane) <p><u>All PCIe Slots are Generation 2.0</u></p>	<ul style="list-style-type: none"> • 4 x PCI • 1 x PCIe x16 (Generation 2.0) • 1 x PCIe x8 (1-Lane) • 1 x PCIe x1
Graphics	<p>Onboard <u>Intel HD Graphics 2000</u> Graphics Controller <u>integrated into the Processor</u></p> <p>Shared Video Memory up to <u>1.7 GB</u> max. Res. <u>DVI-I: 1920 x 1200</u> max. Res. <u>DisplayPort: 2560 x 1600</u></p> <p>Dual-Head Graphics Card in PCI Express x16 Slot (optional), passively cooled</p> <p>Graphics Card NVIDIA Quadro <u>NVS 300</u> <u>Video Memory 512 MB</u> max. Resolution VGA: 2 x 2048 x 1536 max. Resolution DVI-D: 2 x 1920 x 1200</p>	<p>Onboard Intel GMA 4500 Graphics Controller</p> <p>Dynamic Video Memory up to 256 MB max. Res. VGA: 2048 x 1536</p> <p>Dual-Head Graphics Card in PCI Express x16 Slot (optional), passively cooled</p> <p>Graphics Card NVIDIA Quadro NVS 290 Video Memory 256 MB max. Resolution VGA: 2 x 2048 x 1536 max. Resolution DVI-D: 2 x 1920 x 1200</p>
RAID Controller	Onboard, SATA	Onboard, SATA
Operating System	<p>Preinstalled and activated, on Restore DVD</p> <p>Windows XP Professional MUI, 32-Bit Windows 7 Ultimate MUI, 32-Bit / <u>64-Bit</u> Windows Server 2008 MUI, 32-Bit incl. 5 Clients <u>Windows Server 2008 R2 MUI, 64-Bit incl. 5 Clients</u></p>	<p>Preinstalled and activated, on Restore DVD</p> <p>Windows XP Professional MUI, 32-Bit Windows Vista Ultimate MUI, 32-Bit Windows 7 Ultimate MUI, 32-Bit Windows Server 2003 R2 MUI, 32-Bit incl. 5 Clients Windows Server 2008 MUI, 32-Bit incl. 5 Clients</p>
Power Supply	100-240 V AC, 50-60 Hz	100-240 V AC, 50-60 Hz
Power Supply, redundant	2 x 100-240 V AC, 50-60 Hz (in prep.)	2 x 100-240 V AC, 50-60 Hz
Drives		
Hard Drive 3.5"	SATA, NCQ 7200 rpm	SATA, NCQ 7200 rpm

Solid-State Drive (SSD) 2.5"	SATA, SLC	-
	Installed internally: <ul style="list-style-type: none"> • 500 GB • 1 TB • RAID1 (2 x 1 TB, mirrored drives) • 50 GB SSD 	Installed internally: <ul style="list-style-type: none"> • 250 GB • 500 GB • RAID1 (2 x 500 GB, mirrored drives)
	Installed front-mounted in low-profile removable Frame: <ul style="list-style-type: none"> • 500 GB • 2 x 500 GB • RAID1 (2 x 1 TB, mirrored drives), hot-swappable • RAID5 (3 x 1 TB, striping with parity), hot-swappable • 50 GB SSD • RAID1 (2 x 1 TB, mirrored drives), hot-swappable + 50 GB SSD 	Installed front-mounted in low-profile removable Frame: <ul style="list-style-type: none"> • 500 GB • 2 x 500 GB • RAID1 (2 x 500 GB, mirrored drives), hot-swappable • RAID5 (3 x 500 GB, striping with parity), hot-swappable
Optical Drive 5.25"	<ul style="list-style-type: none"> • DVD ROM • DVD Burner (DVD±R/RW) 	<ul style="list-style-type: none"> • DVD ROM • DVD Burner (DVD±R/RW)
Floppy Drive	-	1.44 MB (optional)
Drive Bays	<ul style="list-style-type: none"> • Front-mounted: 3 x 5.25" (occupied by at least 1 x DVD ROM or DVD±RW Drive) • 1 x 3.5" • Internal: 2 x 3.5" (occupied by at least 1 x HDD) 	<ul style="list-style-type: none"> • Front-mounted: 3 x 5.25" (occupied by at least 1 x DVD ROM or DVD±RW Drive) • 1 x 3.5" (occupied by 1 x Floppy Drive) • Internal: 2 x 3.5" (occupied by at least 1 x HDD)
Interfaces		
Ethernet	2 x 10/100/1000 Mbps (RJ45) Intel (82574L and 82579LM) Controller teaming-enabled	2 x 10/100/1000 Mbps (RJ45) Realtek (RTL8111CP) Controller teaming-enabled
USB 2.0	8 x rear-mounted (High-Current) 2 x front-mounted (High-Current) 1 x internal (High-Current) - e.g., for USB Dongle	6 x rear-mounted (High-Current) 2 x front-mounted (High-Current) 1 x internal (High-Current) - e.g., for USB Dongle

Serial	COM1 (V.24) COM2 (V.24), optional	COM1 (V.24) COM2 (V.24), optional
Parallel	LPT, optional	LPT, optional
VGA / DVI-I / DisplayPort	<u>Via Adapter Cable, optional / 1 x / 1 x</u>	1 x / Via Adapter Card, optional / -
Multi-Monitor	2 x VGA or 2 x DVI-D via PCIe x16 Graphics Card, optional	2 x VGA or 2 x DVI-D via PCIe x16 Graphics Card, optional
Keyboard	PS/2	PS/2
Mouse	PS/2	PS/2
Audio	1 x Line In; 1 x Line Out; 1 x Microphone	1 x Line In; 1 x Line Out; 1 x Microphone
Monitoring Functions		
Temperature	Exceeding of the permissible Operating Temperature Range	Exceeding of the permissible Operating Temperature Range
Fans	rpm Monitoring of <ul style="list-style-type: none"> • Front Fan • Processor Fan • Power Supply Fan 	rpm Monitoring of <ul style="list-style-type: none"> • Front Fan • Processor Fan • Power Supply Fan
Watchdog	Monitoring of the Program Execution, Monitoring Time configurable via Software	Monitoring of the Program Execution, Monitoring Time configurable via Software
Front-mounted LEDs	POWER (PC turned on) HDD (Access to Hard Drive) TEMP (Temperature Monitoring) FAN (Fan Monitoring) <u>Additional HDD Alarm LEDs for RAID Systems behind Front Flap</u>	POWER (PC turned on) HDD (Access to Hard Drive) TEMP (Temperature Monitoring) FAN (Fan Monitoring)
Monitoring Software	DiagBase (included in the Delivery Scope on "Documentation & Drivers DVD") SIMATIC IPC DiagMonitor 4.3 (optional)	DiagBase (included in the Delivery Scope on "Documentation & Drivers DVD") SIMATIC IPC DiagMonitor 4.2 (optional)
Environmental Conditions		
Protection Rating	Front: IP30 with closed Front Door Rear: IP20; according to EN 60529	Front: IP30 with closed Front Door Rear: IP20; according to EN 60529
Protection Class	Protection Class I according to IEC 61140	Protection Class I according to IEC 61140
Vibration Load* during Operation	20 to 200 Hz: 2 m/s ² (approx. 0.2 g)	20 to 200 Hz: 2 m/s ² (approx. 0.2 g)

Shock Load* during Operation	9.8 m/s ² , 20 ms (approx. 1 g)	9.8 m/s ² , 20 ms (approx. 1 g)
Electromagnetic Compatibility (EMC)		
Emitted Interference	EN 55022 Class B, FCC Class A	EN 55022 Class B, FCC Class A
Interference Immunity against Interference conducted on Supply Lines	± 2 kV (IEC 61000-4-4, Burst) ± 1 kV (IEC 61000-4-5, Surge symm.) ± 2 kV (IEC 61000-4-5, Surge unsymm.)	± 2 kV (IEC 61000-4-4, Burst) ± 1 kV (IEC 61000-4-5, Surge symm.) ± 2 kV (IEC 61000-4-5, Surge unsymm.)
Interference Immunity on Signal Lines	± 2 kV (IEC 61000-4-4, Burst, Length > 30 m) ± 1 kV (IEC 61000-4-4, Burst, Length < 30 m) ± 2 kV (IEC 61000-4-5, Surge, Length > 30 m)	± 2 kV (IEC 61000-4-4, Burst, Length > 30 m) ± 1 kV (IEC 61000-4-4, Burst, Length < 30 m) ± 2 kV (IEC 61000-4-5, Surge, Length > 30 m)
Interference Immunity against Discharge of static Electricity	± 4 kV, Contact Discharge (IEC 61000-4-2) ± 8 kV, Air Discharge (IEC 61000-4-2)	± 4 kV, Contact Discharge (IEC 61000-4-2) ± 8 kV, Air Discharge (IEC 61000-4-2)
Interference Immunity against High-Frequency Radiation	1 V/m 80% AM; 2 to 2.7 GHz (IEC 61000-4-3) 10 V/m 80% AM; 80 MHz to 1 GHz and 1.4 to 2 GHz (IEC 61000-4-3) 10 V; 10 kHz to 80 MHz (IEC 61000-4-6)	1 V/m 80% AM; 2 to 2.7 GHz (IEC 61000-4-3) 10 V/m 80% AM; 80 MHz to 1 GHz and 1.4 to 2 GHz (IEC 61000-4-3) 10 V; 10 kHz to 80 MHz (IEC 61000-4-6)
Interference Immunity against Magnetic Fields	100 A/m, 50/60 Hz (IEC 61000-4-8)	100 A/m, 50/60 Hz (IEC 61000-4-8)
Ambient Temperature during Operation	5 to 40 °C at maximum Configuration	5 to 40 °C at maximum Configuration
Humidity	5 to 80% at 25 °C	5 to 80% at 25 °C
Approvals		
Safety Regulations	IEC 60950-1; UL60950; CSA	IEC 60950-1; UL60950; CSA
Approvals	cULus 60950	cULus 60950
CE Mark	For Use in Industrial and Office Areas Emitted Interference: EN 61000-6-3:2007 Interference Immunity: EN 61000-6-2:2005	For Use in Industrial and Office Areas Emitted Interference: EN 61000-6-3:2007 Interference Immunity: EN 61000-6-2:2005
Dimensions and Weights		
Mounting Dimensions (W x H x D, mm)	434 x 177 x 446	434 x 177 x 446
Weight	min. 16 kg, max. 25 kg	min. 16 kg, max. 25 kg