

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Amikon cover with selected official Siemens pages

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SIMATIC IPC547C

6ES7648-2AF50-0JB0

SIMATIC IPC547C 2 GB MEMORY EXPANSION KIT

OFFICIAL SOURCES

Siemens official PDF. Selected pages retain their original content, color and aspect ratio.

Previous versions

SIMATIC PCS 7 V7.0

SIMATIC PCS 7 Industrial Workstations V7.0

Selection and ordering data

Individually configurable SIMATIC PCS 7 Industrial Workstations V7.0

	Order No.
SIMATIC PCS 7 Industrial Workstation for ES/OS single station	6ES7 660-
SIMATIC IPC547C industrial PC	0 ■ ■ ■ ■ - 1 A ■ ■ ■
SIMATIC PCS 7 V7.0 + SP3 preinstalled	
Windows XP Professional operating system, MUI (German, English, French, Italian, Spanish, Chinese)	
Processor and memory type	
• Core 2 Duo E6600 (2,4 GHz, 1066 MHz FSB, 4 MB L2 Cache, EM64-T, VT)	
- ES/OS single station BCE (PCI card)	A
- ES/OS single station IE (CP 1613 A2)	B
• Intel Core 2 Quad Processor Q9400 (2,66 GHz, 1333 MHz FSB, 6 MB L2 Cache, EM64-T, VT)	
- ES/OS single station BCE (PCI card)	F
- ES/OS single station IE (CP 1613 A2)	G
Hard disks	
• RAID1 (2 x 250 GB, HDD SATA); internal	C
• RAID1 (2 x 500 GB, HDD SATA); internal	D
• RAID1 (2 x 250 GB, HDD SATA); in swap frame; hot-swap; front	E
• RAID1 (2 x 500 GB, HDD SATA); in swap frame; hot-swap; front	F
Memory	
• 2.0 GB DDR2 SDRAM (2 x 1.0 GB)	1
• 3.0 GB DDR2 SDRAM (3 x 1.0 GB)	2
• 4.0 GB DDR2 SDRAM (2 x 2.0 GB)	3
Changeable media	
• DVD+/-RW, without 3.5" floppy disk drive	1
• DVD+/-RW, with 3.5" floppy disk drive	3
Expansion (hardware)	
• Without expansions	A
• DVI extension adapter (DVI-D)	B
Power supply unit, country-specific version	
• 110/230 V AC industrial power supply; European power cable	0
• 110/230 V AC industrial power supply; USA power cable	1
• 110/230 V AC industrial power supply; GB power cable	2
• 110/230 V AC industrial power supply; Swiss power cable	3
• 110/230 V AC industrial power supply; Italian power cable	4
• 110/230 V AC industrial power supply; Chinese power cable	5
• 2 x 110/230 V AC, redundant power supply, without power cable ¹⁾	6

¹⁾ The redundant power supply can only be used together with the hard disk version with swap frame (option E or F).

	Order No.
SIMATIC PCS 7 Industrial Workstation for OS server	6ES7 660-
SIMATIC IPC547C industrial PC	0 ■ ■ ■ ■ - 1 B ■ ■ ■
SIMATIC PCS 7 V7.0 + SP3 preinstalled	
Windows Server 2003 operating system, MUI (German, English, French, Italian, Spanish, Chinese), 5 CAL	
Processor and memory type	
• Core 2 Duo E6600 (2,4 GHz, 1066 MHz FSB, 4 MB L2 Cache, EM64-T, VT)	
- OS server BCE (PCI card)	C
- OS server IE (CP 1613 A2)	D
• Intel Core 2 Quad Processor Q9400 (2,66 GHz, 1333 MHz FSB, 6 MB L2 Cache, EM64-T, VT)	
- OS server BCE (PCI card)	H
- OS server IE (CP 1613 A2)	J
Hard disks	
• RAID1 (2 x 250 GB, HDD SATA); internal	C
• RAID1 (2 x 500 GB, HDD SATA); internal	D
• RAID1 (2 x 250 GB, HDD SATA); in swap frame; hot-swap; front	E
• RAID1 (2 x 500 GB, HDD SATA); in swap frame; hot-swap; front	F
Memory	
• 2.0 GB DDR2 SDRAM (2 x 1.0 GB)	1
• 3.0 GB DDR2 SDRAM (3 x 1.0 GB)	2
• 4.0 GB DDR2 SDRAM (2 x 2.0 GB)	3
Changeable media	
• DVD+/-RW, without 3.5" floppy disk drive	1
• DVD+/-RW, with 3.5" floppy disk drive	3
Expansion (hardware)	
• Without expansions	A
• DVI extension adapter (DVI-D)	B
Power supply unit, country-specific version	
• 110/230 V AC industrial power supply; European power cable	0
• 110/230 V AC industrial power supply; USA power cable	1
• 110/230 V AC industrial power supply; GB power cable	2
• 110/230 V AC industrial power supply; Swiss power cable	3
• 110/230 V AC industrial power supply; Italian power cable	4
• 110/230 V AC industrial power supply; Chinese power cable	5
• 2 x 110/230 V AC, redundant power supply, without power cable ¹⁾	6

¹⁾ The redundant power supply can only be used together with the hard disk version with swap frame (option E or F).

	Order No.
SIMATIC PCS 7 Industrial Workstation for OS client	6ES7 660-
SIMATIC IPC547C industrial PC	0
SIMATIC PCS 7 V7.0 + SP3 preinstalled	- 1 A
Windows XP Professional operating system, MUI (German, English, French, Italian, Spanish, Chinese)	
Processor and memory type	
• Core 2 Duo E6600 (2,4 GHz, 1066 MHz FSB, 4 MB L2 Cache, EM64-T, VT)	
- OS client	E
Hard disks	
• 1 x 250 GB HDD SATA; internal	A
• 1 x 250 GB HDD SATA; swap frame; front	B
Memory	
• 1,0 GB DDR2 SDRAM (1 x 1,0 GB)	0
• 2,0 GB DDR2 SDRAM (2 x 1,0 GB)	1
• 3,0 GB DDR2 SDRAM (3 x 1,0 GB)	2
• 4,0 GB DDR2 SDRAM (2 x 2,0 GB)	3
Changeable media	
• DVD+/-RW, without 3.5" floppy disk drive	0
• DVD+/-RW, with 3.5" floppy disk drive	2
Expansion (hardware)	
• Without expansions	A
• DVI extension adapter (DVI-D)	B
• Multi-monitor graphics card "2 Screens" (SIMATIC PCS 7 option)	C
• Multi-monitor graphics card "4 Screens" (SIMATIC PCS 7 option)	D
Power supply unit, country-specific version	
• 110/230 V AC industrial power supply; European power cable	0
• 110/230 V AC industrial power supply; USA power cable	1
• 110/230 V AC industrial power supply; GB power cable	2
• 110/230 V AC industrial power supply; Swiss power cable	3
• 110/230 V AC industrial power supply; Italian power cable	4
• 110/230 V AC industrial power supply; Chinese power cable	5
• 2 x 110/230 V AC, redundant power supply, without power cable ¹⁾	6

¹⁾ The redundant power supply can only be used together with the hard disk version with swap frame (option B).

Selection and ordering data

Order No.

Preferred types for SIMATIC PCS 7 V7.0

SIMATIC PCS 7 Industrial Workstation, single station version

SIMATIC PCS 7 Industrial Workstation ES/OS single station IPC547C

SIMATIC PC in 19" rack, with optical mouse, without monitor, keyboard or printer; Intel Core 2 Duo E6600 (2.4 GHz, 1 066 MHz FSB, 4 MB L2 cache, EM64-T, VT), RAID1 (2 x 250 GB, HDD SATA), internal; 2.0 GB DDR2 SDRAM (2 x 1.0 GB); DVD+/-RW, with 3.5" floppy disk drive; 110/230 V AC industrial power supply; European power cable

SIMATIC PC DiagMonitor diagnostics software and restore DVDs;

SIMATIC PCS 7 ES/OS software V7.0 + SP3 preinstalled

Windows XP Professional MUI operating system (German, English, French, Italian, Spanish, Chinese)

• **SIMATIC PCS 7 ES/OS 547C BCE WXP**
Connection to plant bus with Ethernet network card RJ45 (PCI) 10/100/1000 Mbit/s and Basic Communication Ethernet (BCE) for up to 8 automation systems (single stations only, not redundant stations)

6ES7 660-0AC13-1AA0 E)

• **SIMATIC PCS 7 ES/OS 547C IE WXP**
Connection to plant bus with CP 1613 A2 (PCI) communications module

6ES7 660-0BC13-1AA0 E)

E) Subject to export regulations: AL: N, ECCN: 5D992

Previous versions

SIMATIC PCS 7 V7.0

SIMATIC PCS 7 Industrial Workstations V7.0

Selection and ordering data Order No.

SIMATIC PCS 7 Industrial Workstation, server version

SIMATIC PC in 19" rack, with optical mouse, without monitor, keyboard or printer; Intel Core 2 Duo E6600 (2.4 GHz, 1 066 MHz FSB, 4 MB L2 cache, EM64-T, VT), RAID1 (2 x 250 GB, HDD SATA), in swap frame, hot-swap, front;

2.0 GB DDR2 SDRAM (2 x 1.0 GB); DVD+/RW, with 3.5" floppy disk drive; 110/230 V AC industrial power supply; European power cable

SIMATIC PC DiagMonitor diagnostics software and restore DVDs;

SIMATIC PCS 7 OS Software Server V7.0 + SP3 preinstalled

Windows Server 2003 MUI operating system
(German, English, French, Italian, Spanish, Chinese)

- **SIMATIC PCS 7 OS Server 547C BCE SRV03**
Connection to plant bus with Ethernet network card RJ45 (PCI) 10/100/1000 Mbit/s and Basic Communication Ethernet (BCE) for up to 8 automation systems (single stations only, not redundant stations)

6ES7 660-0CE13-1BA0 E)

- **SIMATIC PCS 7 OS Server 547C IE SRV03**
Connection to plant bus with CP 1613 A2 (PCI) communications module

6ES7 660-0DE13-1BA0 E)

SIMATIC PCS 7 Industrial Workstation, client version

SIMATIC PCS 7 Industrial Workstation OS client IPC547C

SIMATIC PC in 19" rack, with optical mouse, without monitor, keyboard or printer; Intel Core 2 Duo E6600 (2.4 GHz, 1 066 MHz FSB, 4 MB L2 cache, EM64-T, VT), 1 x 250 GB HDD SATA, internal; 1.0 GB DDR2 SDRAM (1 x 1.0 GB); DVD-ROM, with 3.5" floppy disk drive; 110/230 V AC industrial power supply; European power cable

SIMATIC PC DiagMonitor diagnostics software and restore DVDs;

SIMATIC PCS 7 OS Software Client V7.0 + SP3 preinstalled

Windows XP Professional MUI operating system
(German, English, French, Italian, Spanish, Chinese)

- **SIMATIC PCS 7 OS Client 547C WXP**
 - Without multi-monitor graphics card
 - with multi-monitor graphics card "2 Screens"

6ES7 660-0EA02-1AA0 E)

6ES7 660-0EA02-1AC0 E)

Selection and ordering data Order No.

Additional and expansion components

Memory modules for expanding the main memory

- SIMATIC PC, memory expansion 1.0 GB DDR2 800 SDRAM (1 x 1.0 GB), single channel **6ES7 648-2AF40-0JA0** B)
- SIMATIC PC, memory expansion 2.0 GB DDR2 800 SDRAM (2 x 1.0 GB), dual channel kit **6ES7 648-2AF50-0JB0** B)

SIMATIC PC keyboard (USB connection)

- German/international key assignment **6ES7 648-0CB00-0YA0**

Tower kit for SIMATIC PCS 7 Industrial Workstations

Based on SIMATIC IPC547C

- Tower kit for conversion of a Rack PC into an industrial Tower PC **6ES7 648-1AA00-0XC0**

HDD guide frame for swap frame

- Guide frame for low-profile HDD swap frame for 3.5" hard disk, SATA (without hard disk) **6ES7 648-0EG00-1BA0**

3-m power cable for Rack PC¹⁾

- For Great Britain **6ES7 900-0BA00-0XA0**
- For Switzerland **6ES7 900-0CA00-0XA0**
- For USA **6ES7 900-0DA00-0XA0**
- For Italy **6ES7 900-0EA00-0XA0**
- For China **6ES7 900-0FA00-0XA0**

B) Subject to export regulations: AL: N, ECCN: EAR99H

E) Subject to export regulations: AL: N, ECCN: 5D992

¹⁾ The SIMATIC PCS 7 preferred types are delivered as standard with a "European power cable". The country-specific versions listed above are required for some countries.