

Compatibility WinCC V7.0 SP1 { 03/2009 }

WinCC V7.0 SP1 contains the following in the delivery package

- Microsoft SQL Server 2005 SP2
- SIMATIC NET Edition 2008 HF1 (V7.1) { 09/2008 }

WinCC V7.0 SP1 can be run in Microsoft operating systems

- Windows VISTA SP1 32-bit Ultimate, Business and Enterprise (single-user station / client)
- Windows XP Professional SP2/SP3 (server with max. 3 clients, no options, no Engineering on client, single-user station / client)
- Windows 2003 Server R2 SP2 (server / single-user station / client)
- Windows 2003 Server SP2 (server / single-user station / client)

WinCC V7.0 SP1 is released with Microsoft Internet Explorer V7.0 and V6.0 SP1/SP2

Further information is available at: [_http://support.automation.siemens.com/WW/view/en/21927773](http://support.automation.siemens.com/WW/view/en/21927773)

Connection overview WinCC V7.0 SP1 { 03/2009 }

WinCC – Channel DLL	Description
SIMATIC S7	
SIMATIC S7 Protocol Suite	Channel DLL for S7 Communication via MPI, PROFIBUS, Ethernet ISO Layer 4 and Ethernet TCP/IP
SIMATIC S5	
SIMATIC S5 Ethernet Layer 4	Channel DLL for S5 Communication via Ethernet ISO Layer 4 and Ethernet TCP/IP
SIMATIC S5 Programmer Port AS511	Channel DLL and drivers for serial communication with S5 via AS511 protocol at Programmer's Port
SIMATIC S5 Serial 3964R	Channel DLL and driver for serial communication with S5 via RK512 protocol
SIMATIC S5 PROFIBUS FDL	Channel DLL for S5 Communication via PROFIBUS FDL
SIMATIC S505	
SIMATIC 505 Serial	Channel DLL and driver for serial communication with SIMATIC S535/545/555/565/575 via NITP/TBP protocol
SIMATIC 505 Ethernet Layer 4	Channel DLL for S505 Communication via Ethernet ISO Layer 4
SIMATIC 505 TCP/IP	Channel DLL and driver for S505 Communication via Ethernet TCP/IP
Controllers from other manufacturers	
Allen Bradley - Ethernet IP	Channel DLL and driver for communication with Allen Bradley ControlLogix controllers via Ethernet TCP/IP with Ethernet IP protocol
Modbus TCP/IP	Channel DLL and driver for communication with Modicon controllers via Ethernet TCP/IP with Modbus TCP/IP protocol
Manufacturer-independent	
Windows DDE	Channel DLL for DDE communication; WinCC can acquire data from DDE server applications
OPC Client	Channel DLL for OPC communication; WinCC can acquire data from OPC server applications
OPC server	Server applications for OPC communication; WinCC provides process data for OPC client
PROFIBUS FMS	Channel DLL for PROFIBUS FMS
PROFIBUS DP	Channel DLL for PROFIBUS DP

Connection to controllers from other manufacturers

OPC (OLE for Process Control) is recommended for connection to controllers from other manufacturers.

Further information is available at: <http://www.opcfoundation.org>

WinCC supports these standards:

- OPC Data Access 2.05a
- OPC Data Access 3.00
- OPC XML Data Access 1.00 (Connectivity Pack / Connectivity Station)
- OPC HDA 1.20 (Connectivity Pack / Connectivity Station)
- OPC A&E 1.10 (Connectivity Pack / Connectivity Station)

Communication components for PG/PC to SIMATIC for WinCC V7.0 SP1 { 03/2009 }**In the delivery package: SIMATIC NET CD Edition 2008 HF1 (V7.1) { 09/2008 }**

Industrial Ethernet	SIMATIC S5 Ethernet Layer 4	SIMATIC S5 TCP/IP	SIMATIC S7 Protocol Suite	SIMATIC 505 Ethernet Layer 4	SIMATIC 505 TCP/IP ¹⁾	Order no.
Communication components to supplement the OS/OP						
CP 1612 PCI card for connecting PG/PC to Industrial Ethernet (communication software SOFTNET-S7 and SOFTNET-S7 Lean must be ordered separately)	—	•	•	—	•	6GK1 161-2AA00
SOFTNET-S7 2008 Communication software for S7 functions • Single License ³⁾	—	•	•	—	—	6GK1 704-1CW71-3AA0 ³⁾
SOFTNET-S7 Lean 2008 Communication software for S7 functions • Single License ²⁾³⁾	—	•	•	—	—	6GK1 704-1LW71-3AA0 ³⁾
CP 1613 PCI card for connecting PG/PC to Industrial Ethernet (communication software S7-1613 must be ordered separately)	•	•	•	•	•	6GK1 161-3AA00
CP 1613 A2 PCI card (32-bit) for connecting PG/PC to Industrial Ethernet (communication software S7-1613 must be ordered separately)	•	•	•	•	•	6GK1 161-3AA01
CP 1623 PCI Express X1 card (32-bit) for connecting PG/PC to Industrial Ethernet (communication software S7-1613 must be ordered separately)	•	•	•	•	•	6GK1 162-3AA00
S7-1613 2008 Communication software for S7 functions and S5/505 Layer 4 communication with TCP/IP • Single License ³⁾	•	•	•	•	—	6GK1 716-1CB71-3AA0 ³⁾

- **System connection possible**

1) Via any interface board with NDIS 3.0 interface; no separate communication software required.

2) SOFTNET-S7 Lean Edition 2008 included in the delivery package of WinCC V7.0 SP1.

3) For upgrade packages see table below on page 2: SIMATIC NET Upgrade Packages

The licenses supplied with SIMATIC NET Edition 2008 are also valid for all versions as from and including SIMATIC NET Edition 2006.

The software SIMATIC NET Edition 2008 HF1 is supplied with WinCC V7.0 SP1; the software SIMATIC NET Edition 2007 HF1 is supplied with WinCC V7.0.

SIMATIC NET Upgrade Packages (for upgrading to the current version in each case)Further information at: <http://support.automation.siemens.com/WW/view/en/31675909>

Industrial Ethernet		
SOFTNET-S7	• for SIMATIC NET Edition 2006 (V6.4), Edition 2007 (V7.0), Edition 2008 (V7.1)	6GK1 704-1CW00-3AE0
SOFTNET-S7	• for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 (V6.3)	6GK1 704-1CW00-3AE1
SOFTNET-S7 Lean	• for SIMATIC NET Edition 2006 (V6.4), Edition 2007 (V7.0), Edition 2008 (V7.1)	6GK1 704-1LW00-3AE0
SOFTNET-S7 Lean	• for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 (V6.3)	6GK1 704-1LW00-3AE1
S7-1613	• for SIMATIC NET Edition 2006 (V6.4), Edition 2007 (V7.0), Edition 2008 (V7.1)	6GK1 716-1CB00-3AE0
S7-1613	• for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 (V6.3)	6GK1 716-1CB00-3AE1
PROFIBUS		
S7-5613	• for SIMATIC NET Edition 2006 (V6.4), Edition 2007 (V7.0), Edition 2008 (V7.1)	6GK1 713-1CB00-3AE0
S7-5613	• for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 (V6.3)	6GK1 713-1CB00-3AE1
DP-5613	• for SIMATIC NET Edition 2006 (V6.4), Edition 2007 (V7.0), Edition 2008 (V7.1)	6GK1 713-1DB00-3AE0
DP-5613	• for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 (V6.3)	6GK1 713-1DB00-3AE1
FMS-5613	• for SIMATIC NET Edition 2006 (V6.4) and Edition 2007 (V7.0)	6GK1 713-1FB00-3AE0
FMS-5613	• for SIMATIC NET V6.0, V6.1, V6.2 and Edition 2005 (V6.3)	6GK1 713-1FB00-3AE1

Communication components for PG/PC to SIMATIC for WinCC V7.0 SP1 { 03/2009 }**In the delivery package: SIMATIC NET CD Edition 2008 HF1 (V7.1) { 09/2008 }**

PROFIBUS	SIMATIC S5 PROFIBUS FDL	SIMATIC S7 Protocol Suite	PROFIBUS DP	PROFIBUS FMS	Order no.
Communication components to supplement the OS/OP					
CP 5611 A2 PCI card (32-bit) for connecting PG/PC to PROFIBUS or MPI (communication software included in the WinCC Basic package)	—	•	—	—	6GK1 561-1AA01
CP 5621 PCI Express X1 card (32-bit) for connecting PG/PC to PROFIBUS or MPI (communication software included in the WinCC Basic package)	—	•	—	—	6GK1 562-1AA00
CP 5512 PCMCIA card (32-bit card bus) for connecting PG/PC to PROFIBUS or MPI (communication software included in the WinCC Basic package)	—	•	—	—	6GK1 552-2AA00
CP 5613 A2 PCI card (32-bit) for connecting PC to PROFIBUS (communication software S7-5613, DP-5613 and FMS-5613 must be ordered separately)	•	•	•	•	6GK1 561-3AA01
S7-5613 2008 Communication software for S7 functions + PROFIBUS FDL • Single License ¹⁾	•	•	—	—	6GK1 713-5CB71-3AA0 ¹⁾
DP-5613 2008 Communication software for PROFIBUS DP Master + FDL • Single License ¹⁾	•	—	•	—	6GK1 713-5DB71-3AA0 ¹⁾
FMS-5613 2008 Communication software for PROFIBUS FMS + FDL • Single License ¹⁾	•	—	—	•	6GK1 713-5FB71-3AA0 ¹⁾

- **System connection possible**

1) For upgrade packages see table below on page 2: SIMATIC NET Upgrade Packages

The licenses supplied with SIMATIC NET Edition 2008 are also valid for all versions as from and including SIMATIC NET Edition 2006.

The software SIMATIC NET Edition 2008 HF1 is supplied with WinCC V7.0 SP1; the software SIMATIC NET Edition 2007 HF1 is supplied with WinCC V7.0.

Expanding existing plants with WinCC V6.x and V7.0 and SIMATIC NET driver software

If driver software up to and including SIMATIC NET Edition 2006 (V6.4) is available, you must procure the corresponding SIMATIC NET driver software; the license supplied is downwards compatible up to and including Edition 2006.

If driver software up to and including SIMATIC NET Edition 2005 (V6.3) is available, you must procure the corresponding SIMATIC NET Edition 2005 copying license; the authorization supplied is downwards compatible as from and including Edition 2005 (V6.3) up to SIMATIC NET V6.0.

SIMATIC NET Edition 2005 (V6.3) Copying licenses

Further information at: <http://support.automation.siemens.com/WW/view/en/24640176>

Industrial Ethernet - Copying licenses		
SOFTNET-S7 2005	• Authorization - driver software not included in the delivery package	6GK1 704-1CW63-3AB0
SOFTNET-S7 Lean 2005	• Authorization - driver software not included in the delivery package	6GK1 704-1LW63-3AB0
S7-1613 2005	• Authorization - driver software not included in the delivery package	6GK1 716-1CB63-3AB0
TF-1613 2005	• Authorization - driver software not included in the delivery package	6GK1 716-1TB63-3AB0
PROFIBUS - Copying licenses		
S7-5613 2005	• Authorization - driver software not included in the delivery package	6GK1 713-1CB63-3AB0
DP-5613 2005	• Authorization - driver software not included in the delivery package	6GK1 713-1DB63-3AB0
FMS-5613 2005	• Authorization - driver software not included in the delivery package	6GK1 713-1FB63-3AB0
Data media with driver software		
SIMATIC NET CD Edition 2005	• Data media with driver software	6GK1 704-0AA07-3AA0