

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6AV6381-2BC07-0AV0

SCADA RUNTIME SOFTWARE PACKAGE

Used with the applicable SIMATIC WinCC V7.0 SP2 Asia RT 128 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens ST 80 / ST PC 2011 WinCC specifications, pages 4/79, 4/80, 4/82; exact-model lifecycle identification

Technical specifications

Type	SIMATIC WinCC V7.0 SP2	SIMATIC WinCC V6.2 SP3
Operating system	- Windows 7 (32-bit) Ultimate, Business and Enterprise - Windows XP Professional SP2/SP3 - Windows 2003 Server SP2 and Windows 2003 Server R2 SP2 - Windows 2008 Server SP2	- Windows XP Professional SP3, - Windows 2000 Professional SP4, - Windows Server 2003 SP2, - Windows Server 2003 R2 SP2
PC hardware requirements		
Processor type ¹⁾		
• Minimum	Single-user station/server: Pentium 3, 1 GHz ²⁾ Central Archive Server: Pentium 4, 2.5 GHz Client: Pentium 3, 800 MHz ²⁾ WebClient/DataMonitor Client: Pentium III, 600 MHz ²⁾	Single-user station/server: Pentium III, 1 GHz Central Archive Server: Pentium 4, 2 GHz Client: Pentium III, 600 MHz
• Recommended	Single-user station/server: Pentium 4, 2.5 GHz ²⁾ Central Archive Server: Pentium 4 or Dual Core, 3 GHz Client: Pentium 4, 2 GHz ²⁾ WebClient/DataMonitor Client: Pentium III, 1 GHz	Single-user station/server: Pentium 4, 2 GHz Central Archive Server: Pentium 4, 2.5 GHz Client: Pentium III, 1 GHz WebClient/DataMonitor Client: Pentium III, 1 GHz
RAM		
• Minimum	Single-user station/server: 1 GB ²⁾ Central Archive Server: 2 GB Client: 512 MB ²⁾ WebClient/DataMonitor Client: 256 MB ²⁾	Single-user station: 512 MB, server: 1 GB Central Archive Server: 1 GB Client: 512 MB
• Recommended	Single-user station/server: 2 GB ²⁾ Central Archive Server: ≥ 2 GB Client: 1 GB ²⁾ WebClient/DataMonitor Client: 512 MB ²⁾	Single-user station: ≥ 1 GB, server: > 1 GB Central Archive Server: ≥ 2 GB Client: 512 MB WebClient/DataMonitor Client: 512 MB
Graphics card		
• Minimum	16 MB, 800 x 600 ²⁾	16 MB, 800 x 600
• Recommended	32 MB, 1280 x 1024 ²⁾	32 MB, 1280 x 1024
Hard disk		
• Minimum	Single-user station/server: 20 GB Client: 5 GB Central Archive Server: 40 GB WebClient/DataMonitor Client: 5 GB	Single-user station/server: 20 GB Client: 5 GB Central Archive Server: 40 GB WebClient/DataMonitor Client: 5 GB
• Recommended	Single-user station/server: 80 GB Client: 20 GB Central Archive Server: 2 x 80 GB WebClient/DataMonitor Client: 10 GB	Single-user station/server: 80 GB Client: 20 GB Central Archive Server: 2 x 80 GB WebClient/DataMonitor Client: 10 GB
• Hard disk (free memory space for installation)		
- Minimum	Server: > 1.5 GB Client: 1.5 GB	Server: 1.5 GB Client: 1 GB
- Recommended	Server: > 10 GB Client: > 1.5 GB	Server: > 10 GB Client: > 1.5 GB
CD ROM/DVD ROM/diskette drive/USB interface	for software installation	for software installation

¹⁾ An AMD system with comparable performance can also be used

²⁾ Hardware requirements when using Microsoft XP Professional

HMI Software

SCADA system SIMATIC WinCC

SIMATIC WinCC

Technical specifications (continued)

Type	SIMATIC WinCC
Functionality/quantity structure	
Number of messages	150,000
• Message text (number of characters)	10 x 256
• Alarm log	> 500,000 messages ¹⁾
• Process values per message	10
• Constant load of messages, max.	Central Archive Server: 100/s Server/single-user station: 10/s
• Message burst, max.	Server/single-user station: 2,000/10 s every 5 min
Archives	
• Archive data points	Max. 120,000 per server ²⁾
• Archive types	Short-term archive with and without long-term archiving
• Data storage format	Microsoft SQL Server 2005
• Measured values per second, max.	Server/single-user station: 5,000/s
User archive	
• Archives and views	500 each
• Product consisting of data record and column per user archive	320,000
• Fields per user archive	500
Graphics system	
• Number of screens	System-limited ¹⁾
• Number of objects per screen	System-limited ¹⁾
• Number of controllable fields per screen	System-limited ¹⁾

¹⁾ Dependent on the available storage space

²⁾ Dependent on the number of licensed archive variables

³⁾ Dependent on number of licensed PowerTags

⁴⁾ Asian versions for Version 7 SP1 or higher

⁵⁾ The number of variables per report is dependent on process communication performance

Type	SIMATIC WinCC
PowerTags	256 K ³⁾
Trends	
• Trend views per image	25
• Trends per trend view	80
User administration	
• User groups	128
• Number of users	128
• Authorization groups	999
Configuration languages	5 European (Eng., Fr., Ger., It., Sp.), 4 Asian (simpl.+trad. Chi/Kor/Jpn) ⁴⁾
Protocols	
• Message sequence reports (simultaneously)	1 per server/single-user station
• Message archive reports (simultaneously)	3
• User reports	System-limited ¹⁾
• Report lines per group	66
• Variables per report	300 ⁵⁾
Multi-user system	
• Server	12
• Clients for server with operator station	4
• Clients for server without operator station	32 clients + 3 WebClients or 50 WebClients + 1 client

HMI Software

SCADA system SIMATIC WinCC

SIMATIC WinCC

Ordering data

Order No.

Order No.

SIMATIC WinCC Upgrade/ Software Update Service

SIMATIC WinCC V7 upgrade ¹⁾

For upgrading the RT version

- from V6.0 to V7.0 SP2 B
- from V6.2 to V7.0 SP2 B
- from V6.0 ASIA to V7.0 SP2 ASIA
- from V6.2 ASIA to V7.0 SP2 ASIA

For upgrading the Client RT version

- from V6.0 to V7.0 SP2 B
- from V6.2 to V7.0 SP2 B
- from V6.0 ASIA to V7.0 SP2 ASIA
- from V6.2 ASIA to V7.0 SP2 ASIA

For upgrading the RC version

- from V6.0 to V7.0 SP2 B
- from V6.2 to V7.0 SP2 B
- from V6.0 ASIA to V7.0 SP2 ASIA
- from V6.2 ASIA to V7.0 SP2 ASIA

SIMATIC WinCC Software Update Service (SUS) ^{2) 3)}

SIMATIC WinCC V7 Update

for upgrade from V7.0 to V7.0 SP2 (only on DVD)

Software Update Service for WinCC basic software and options:

- 1 license
- 3 licenses
- 10 licenses

SIMATIC WinCC system software V6.2 SP3

Runtime packages on CD-ROM

Language/script versions: Ge, En, Fr, It, Sp; with license for

- 128 PowerTags (RT 128)
- 256 PowerTags (RT 256)
- 1024 PowerTags (RT 1024)
- 8192 PowerTags (RT 8192)
- 65536 PowerTags (RT 65536)
- 102400 PowerTags (RT 102400)
- 153600 PowerTags (RT 153600)
- 262144 PowerTags (RT 262144)

Incl. 512 archive tags each

Complete packages on CD-ROM

Language versions: Ge, En, Fr, It, Sp; with license for

- 128 PowerTags (RC 128)
- 256 PowerTags (RC 256)
- 1024 PowerTags (RC 1024)
- 8192 PowerTags (RC 8192)
- 65536 PowerTags (RC 65536)
- 102400 PowerTags (RC 102400)
- 153600 PowerTags (RC 153600)
- 262144 PowerTags (RC 262144)

Incl. 512 archive tags each

SIMATIC WinCC system software V6.2 SP3 ASIA

Runtime packages on CD-ROM

Language versions: English/ simplified and traditional Chinese/ Korean/Taiwanese/Japanese; with license for

- 128 PowerTags (RT 128)
- 256 PowerTags (RT 256)
- 1024 PowerTags (RT 1024)
- 8192 PowerTags (RT 8192)
- 65536 PowerTags (RT 65536)

Incl. 512 archive tags each

Complete packages on CD-ROM

Language versions: English/ simplified and traditional Chinese/ Korean/Taiwanese, Japanese; with license for

- 128 PowerTags (RC 128)
- 256 PowerTags (RC 256)
- 1024 PowerTags (RC 1024)
- 8192 PowerTags (RC 8192)
- 65536 PowerTags (RC 65536)

Incl. 512 archive tags each

SIMATIC WinCC V6.2 Power Packs

For upgrading from:

Runtime packages

- 128 to 256 PowerTags
- 128 to 1024 PowerTags
- 128 to 8192 PowerTags
- 128 to 65536 PowerTags
- 256 to 1024 PowerTags
- 256 to 8192 PowerTags
- 256 to 65536 PowerTags
- 1024 to 8192 PowerTags
- 1024 to 65536 PowerTags
- 8192 to 65536 PowerTags

Complete packages

- 128 to 256 PowerTags
- 128 to 1024 PowerTags
- 128 to 8192 PowerTags
- 128 to 65536 PowerTags
- 256 to 1024 PowerTags
- 256 to 8192 PowerTags
- 256 to 65536 PowerTags
- 1024 to 8192 PowerTags
- 1024 to 65536 PowerTags
- 8192 to 65536 PowerTags

B: Subject to export regulations: AL: N and ECCN: EAR99S

¹⁾ According to licensing provisions, 1 upgrade package must be ordered for each WinCC station

²⁾ The Software Update Service is valid for 1 year. The contract is automatically extended by 1 more year unless canceled 3 months prior to expiration. According to licensing provisions, 1 Software Update Service must be ordered for each WinCC station.

³⁾ Requires the current software version

Product cancellation / discontinuation as of October 1, 2019

MLFB	Product
6AV6381-1BQ05-1AQ0	EPL-Royalty für WinCC V5 RC 64K
6AV6381-2BF07-0AX0	WinCC RT 65536, V7.0
6AV6371-2BR07-0AX0	WinCC / Powerpack RT 153600/262144 V7.0
6AV6371-2BR17-0AX0	WinCC / Powerpack RC 153600/262144 V7.0
6AV6381-1BC05-1AQ0	EPL-Royalty für WIN CC V5 RT128
6AV6381-1BD05-1AQ0	EPL-Royalty für WinCC V5 RT 256
6AV6381-1BE05-1AQ0	EPL-Royalty für WinCC V5 RT 1024
6AV6381-1BF05-1AQ0	EPL-Royalty für WinCC RT max
6AV6381-1BM05-1AQ0	EPL-Royalty für WinCC V5 RC 128
6AV6371-2BQ07-0AX0	WinCC / Powerpack RT 102400/153600 V7.0
6AV6381-1BP05-1AQ0	EPL-Royalty für WinCC V5 RC 1024
6AV6371-2BP17-0AX0	WinCC / Powerpack RC 65536/102400 V7.0
6AV6381-2BC07-0AV0	SIMATIC WinCC V7.0 SP2 Asia, RT 128
6AV6381-2BC07-0AX0	WinCC RT 128, V7.0
6AV6381-2BD07-0AV0	SIMATIC WinCC V7.0 SP3 Asia, RT 512
6AV6381-2BD07-0AX0	WinCC RT 512, V7.0
6AV6381-2BD07-0VA0	SIMATIC WinCC V7.0, RT512 /UCL Basis
6AV6381-2BD07-0VB0	SIMATIC WinCC V7.0, RT512 /UCL Erw.
6AV6381-2BE07-0AV0	SIMATIC WinCC V7.0 SP3 Asia, RT 2048
6AV6381-2BE07-0AX0	WinCC RT 2048, V7.0
6AV6381-2BF07-0AV0	SIMATIC WinCC V7.0 SP3 Asia, RT 65536
6AV6381-1BN05-1AQ0	EPL-Royalty für WinCC V5 RC 256
6AV6371-2BJ07-0AX0	WinCC / Powerpack RT 2048/65536 V7.0
6AV6371-2BE07-0AX0	WinCC / Powerpack RT 128/2048 V7.0
6AV6371-2BE17-0AX0	WinCC / Powerpack RC 128/2048 V7.0
6AV6371-2BF07-0AX0	WinCC / Powerpack RT 128/65536 V7.0
6AV6371-2BF17-0AX0	WinCC / Powerpack RC 128/65536 V7.0
6AV6371-2BD07-0AX0	WinCC / Powerpack RT 128/512 V7.0
6AV6371-2BD17-0AX0	WinCC / Powerpack RC 128/512 V7.0
6AV6371-2BG07-0AX0	WinCC / Powerpack RT 512/2048 V7.0
6AV6371-2BG17-0AX0	WinCC / Powerpack RC 512/2048 V7.0
6AV6371-2BQ17-0AX0	WinCC / Powerpack RC 102400/153600 V7.0
6AV6371-2BH17-0AX0	WinCC / Powerpack RC 512/65536 V7.0
6AV6371-2BN17-0AX0	WinCC / Powerpack RC 8192/65536 V7.0
6AV6371-2BJ17-0AX0	WinCC / Powerpack RC 2048/65536 V7.0
6AV6371-2BK07-0AX0	WinCC / Powerpack RT 128/8192 V7.0
6AV6371-2BK17-0AX0	WinCC / Powerpack RC 128/8192 V7.0
6AV6371-2BL07-0AX0	WinCC / Powerpack RT 512/8192 V7.0
6AV6371-2BL17-0AX0	WinCC / Powerpack RC 512/8192 V7.0
6AV6371-2BM07-0AX0	WinCC / Powerpack RT 2048/8192 V7.0
6AV6371-2BP07-0AX0	WinCC / Powerpack RT 65536/102400 V7.0
6AV6371-2BN07-0AX0	WinCC / Powerpack RT 8192/65536 V7.0
6AV6382-2HA07-3AX0	WinCC-Package V7.3 f. SIMATIC IPC,RT8192
6AV6371-2BH07-0AX0	WinCC / Powerpack RT 512/65536 V7.0
6AV6381-2CB07-0AX0	SIMATIC WinCC RC Client V7.0 SP2
6AV6382-2FA07-2AX0	WinCC-Package V7.2 f.SIMATIC IPC,RT65536