

Compatibility list

Motion Control System SIMOTION SCOUT in STEP 7



Version: V5.3 SP1 SIMOTION SCOUT

Date: 5/13/2019

Free for use

This compatibility list considers the combinatorics of all software products with SCOUT version V5.3 SP1 (SIMOTION with SIMATIC STEP 7) that occur within the scope of SIMOTION.

Runtime and project versions from SIMOTION Version V4.3 were considered - including the SIMOTION controllers that can be configured with these versions.

The older runtime and project versions V3.2 to V4.2 are no longer listed in this compatibility list, even if they can still be configured.

Only the interaction of the individual software components with their corresponding versions as listed in this compatibility list is guaranteed.

The compatibility list contains only versions which have been released for general use.

You can find this list in the Internet under:

<https://support.industry.siemens.com/cs/ww/en/view/18857317>

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

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1 CHAPTER

In this chapter, you will find information about the interaction of different SCOUT versions, STEP7 or TIA Portal – and Windows versions.

1.1 SCOUT <====> STEP 7

| Description | STEP 7 V5.6 SP1 |
|----------------|-----------------|
| SCOUT | |
| SCOUT V5.3 SP1 | X |

1.2 SCOUT <====> Windows

As of V4.5, the use of SIMOTION for VMware vSphere V5.5 is released.
 As of V5.1, the use of SIMOTION for VMware Workstation Pro / Player 12.5 and vSphere V6.0 is released.

| Description | Windows 7 Professional SP1 (64 Bit) | Windows 7 Enterprise SP1 (64 Bit) | Windows 7 Ultimate SP1 (64 Bit) | Windows 10 Pro (64 Bit) | Windows 10 Enterprise (64 Bit) |
|----------------|-------------------------------------|-----------------------------------|---------------------------------|-------------------------|--------------------------------|
| SCOUT | | | | | |
| SCOUT V5.3 SP1 | X | X | X | X | X |

1.3 SCOUT Stand-alone <===> STEP 7

| Description | |
|----------------------------|-----------------|
| | STEP 7 V5.6 SP1 |
| SCOUT Stand-alone | |
| SCOUT Stand-alone V5.3 SP1 | X |

1.4 SCOUT Stand-alone <===> Windows

As of V4.5, the use of SIMOTION for VMware vSphere V5.5 is released.
 As of V5.1, the use of SIMOTION for VMware Workstation Pro / Player 12.5 and vSphere V6.0 is released.

| Description | | | | | |
|----------------------------|-------------------------------------|---|---|---|---|
| | Windows 7 Professional SP1 (64 Bit) | | | | |
| | Windows 7 Enterprise SP1 (64 Bit) | | | | |
| | Windows 7 Ultimate SP1 (64 Bit) | | | | |
| | Windows 10 Pro (64 Bit) | | | | |
| | Windows 10 Enterprise (64 Bit) | | | | |
| SCOUT Stand-alone | | | | | |
| SCOUT Stand-alone V5.3 SP1 | X | X | X | X | X |

1.5 Side-by-side: SCOUT <===> TIA Portal

| Description | TIA Portal V13 SP1 | TIA Portal V13 SP2 | TIA Portal V14 | TIA Portal V14 SP1 | TIA Portal V15 | TIA Portal V15.1 |
|----------------|--------------------|--------------------|----------------|--------------------|----------------|------------------|
| SCOUT | | | | | | |
| SCOUT V5.3 SP1 | X | X | X | X | X | X |

1.6 Side-by-side: SCOUT <===> SCOUT TIA

| Description | SCOUT TIA V4.4 HF2 | SCOUT TIA V4.4 HF4 | SCOUT TIA V4.4 HF5 | SCOUT TIA V4.4 HF6 | SCOUT TIA V4.4 HF8 | SCOUT TIA V4.4 HF11 | SCOUT TIA V4.5 HF1 | SCOUT TIA V5.1 HF1 | SCOUT TIA V5.1 HF6 | SCOUT TIA V5.2 SP1 | SCOUT TIA V5.3 SP1 |
|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| SCOUT | | | | | | | | | | | |
| SCOUT V5.3 SP1 | X | X | X | X | X | X | X | X | X | X | X |

2 CHAPTER

In this chapter you will find information about the interaction of Motion Controllers & Control Units, kernel versions, SCOUT versions and SIMOTION projects.

2.1 SCOUT <===> Motion Controller & Control Units

The data shown here refer in the same way to SCOUT stand-alone

| Description | SIMOTION Control Unit D410 DP | SIMOTION Control Unit D410 PN | SIMOTION Control Unit D410-2 DP | SIMOTION Control Unit D410-2 DP/PN | SIMOTION Control Unit D425 | SIMOTION Control Unit D425-2 DP | SIMOTION Control Unit D425-2 DP/PN | SIMOTION Control Unit D435 (6AU1435-0AA00-0AA1) | SIMOTION Control Unit D435-2 DP | SIMOTION Control Unit D435-2 DP/PN | SIMOTION Control Unit D445-1 | SIMOTION Control Unit D445-2 | SIMOTION Control Unit D445-2 DP/PN | SIMOTION Control Unit D455-2 | SIMOTION Control Unit D455-2 DP/PN | SIMOTION Motion Controller C240 | SIMOTION Motion Controller C240 PN | SIMOTION Motion Controller P320-3 | SIMOTION Motion Controller P320-4 E | SIMOTION Motion Controller P320-4 S | SIMOTION Motion Controller P350-3 ISOPROFIBUS with DVD | SIMOTION Motion Controller P350-3 ISOPROFIBUS without DVD | SIMOTION Motion Controller P350-3 MCI-PN with DVD | SIMOTION Motion Controller P350-3 MCI-PN without DVD |
|----------------|-------------------------------|-------------------------------|---------------------------------|------------------------------------|----------------------------|---------------------------------|------------------------------------|---|---------------------------------|------------------------------------|------------------------------|------------------------------|------------------------------------|------------------------------|------------------------------------|---------------------------------|------------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|--|---|---|--|
| SCOUT | | | | | | | | | | | | | | | | | | | | | | | | |
| SCOUT V5.3 SP1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

2.2 Motion Controller C240 <====> SIMOTION Kernel

Please note: For use of SIMOTION from V4.5, a C240 Controller with hardwareversion ≥ "G" is necessary

| Description | SIMOTION C240 V4.3 SP1 HF1 | SIMOTION C240 V4.3 SP1 HF3 | SIMOTION C240 V4.3 SP1 HF9 | SIMOTION C240 V4.3 SP1 HF12 | SIMOTION C240 V4.3 SP1 HF17 | SIMOTION C240 V4.3 SP1 HF23 | SIMOTION C240 V4.4 HF1 | SIMOTION C240 V4.4 HF4 | SIMOTION C240 V4.4 HF6 | SIMOTION C240 V4.4 HF11 | SIMOTION C240 V4.5 HF1 | SIMOTION C240 V4.5 HF3 | SIMOTION C240 V5.1 HF1 | SIMOTION C240 V5.1 HF6 | SIMOTION C240 V5.2 SP1 | SIMOTION C240 V5.3 SP1 |
|------------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SIMOTION C240 | | | | | | | | | | | | | | | | |
| SIMOTION Motion Controller C240 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SIMOTION Motion Controller C240 PN | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

2.3 Control Units D4xx <===> SIMOTION Kernel

| Description | SIMOTION D4xx V4.3 SP1 HF1 SINAMICS S120 V2.6 SP2 HF13 | SIMOTION D4xx V4.3 SP1 HF3 SINAMICS S120 V2.6 SP2 HF17 | SIMOTION D4xx V4.3 SP1 HF9 SINAMICS S120 V2.6 SP2 HF17 | SIMOTION D4xx V4.3 SP1 HF12 SINAMICS S120 V2.6 SP2 HF17 | SIMOTION D4xx V4.3 SP1 HF17 SINAMICS S120 V2.6 SP2 HF19 | SIMOTION D4xx V4.3 SP1 HF23 SINAMICS S120 V2.6 SP2 HF19 |
|---|---|---|---|--|--|--|
| SIMOTION D410-x | | | | | | |
| SIMOTION Control Unit D410 DP | X | X | X | X | X | X |
| SIMOTION Control Unit D410 PN | X | X | X | X | X | X |
| SIMOTION D425-x | | | | | | |
| SIMOTION Control Unit D425 | X | X | X | X | X | X |
| SIMOTION D435-x | | | | | | |
| SIMOTION Control Unit D435 (6AU1435-0AA00-0AA1) | X | X | X | X | X | X |
| SIMOTION D445-x | | | | | | |
| SIMOTION Control Unit D445-1 | X | X | X | X | X | X |

2.4 Control Units D4xx-2 <====> SIMOTION Kernel

2.4.1 Control Units D410-2 <====> SIMOTION Kernel

| Description | SIMOTION D410-2 V4.3 SP1 HF2 SINAMICS S120 V4.5 HF2 | SIMOTION D410-2 V4.3 SP1 HF3 SINAMICS S120 V4.5 HF6 | SIMOTION D410-2 V4.3 SP1 HF9 SINAMICS S120 V4.5 HF6 | SIMOTION D410-2 V4.3 SP1 HF12 SINAMICS S120 V4.5 HF14 | SIMOTION D410-2 V4.3 SP1 HF17 SINAMICS S120 V4.5 HF20 | SIMOTION D410-2 V4.3 SP1 HF20 SINAMICS S120 V4.5 HF23 | SIMOTION D410-2 V4.3 SP1 HF23 SINAMICS S120 V4.5 HF23 | SIMOTION D410-2 V4.4 HF1 SINAMICS S120 V4.7 HF1 | SIMOTION D410-2 V4.4 HF4 SINAMICS S120 V4.7 HF1 | SIMOTION D410-2 V4.4 HF6 SINAMICS S120 V4.7 HF12 | SIMOTION D410-2 V4.4 HF11 SINAMICS S120 V4.7 HF17 | SIMOTION D410-2 V4.4 HF17 SINAMICS S120 V4.7 HF24 | SIMOTION D410-2 V4.5 HF1 SINAMICS S120 V4.8 HF3 | SIMOTION D410-2 V4.5 HF3 SINAMICS S120 V4.8 HF3 | SIMOTION D410-2 V5.1 HF1 SINAMICS S120 V4.8 HF4 | SIMOTION D410-2 V5.1 HF6 SINAMICS S120 V4.8 HF4 | SIMOTION D410-2 V5.2 SP1 SINAMICS S120 V5.1 HF1 | SIMOTION D410-2 V5.3 SP1 SINAMICS S120 V5.2 HF1 | |
|------------------------------------|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|
| SIMOTION D410-x | | | | | | | | | | | | | | | | | | | |
| SIMOTION Control Unit D410-2 DP | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SIMOTION Control Unit D410-2 DP/PN | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

2.4.2 Control Units D4x5-2 <====> SIMOTION Kernel

| Description | SIMOTION D4x5-2 V4.3 SP1 HF1 SINAMICS S120 V4.5 HF2 | SIMOTION D4x5-2 V4.3 SP1 HF3 SINAMICS S120 V4.5 HF6 | SIMOTION D4x5-2 V4.3 SP1 HF9 SINAMICS S120 V4.5 HF6 | SIMOTION D4x5-2 V4.3 SP1 HF12 SINAMICS S120 V4.5 HF14 | SIMOTION D4x5-2 V4.3 SP1 HF17 SINAMICS S120 V4.5 HF20 | SIMOTION D4x5-2 V4.3 SP1 HF23 SINAMICS S120 V4.5 HF25 | SIMOTION D4x5-2 V4.4 HF1 SINAMICS S120 V4.7 HF1 | SIMOTION D4x5-2 V4.4 HF4 SINAMICS S120 V4.7 HF1 | SIMOTION D4x5-2 V4.4 HF6 SINAMICS S120 V4.7 HF12 | SIMOTION D4x5-2 V4.4 HF11 SINAMICS S120 V4.7 HF17 | SIMOTION D4x5-2 V4.4 HF17 SINAMICS S120 V4.7 HF24 | SIMOTION D4x5-2 V4.5 HF1 SINAMICS S120 V4.8 HF3 | SIMOTION D4x5-2 V4.5 HF3 SINAMICS S120 V4.8 HF3 | SIMOTION D4x5-2 V5.1 HF1 SINAMICS S120 V4.8 HF4 | SIMOTION D4x5-2 V5.1 HF6 SINAMICS S120 V4.8 HF4 | SIMOTION D4x5-2 V5.2 SP1 SINAMICS S120 V5.1 HF1 | SIMOTION D4x5-2 V5.3 SP1 SINAMICS S120 V5.2 HF1 | |
|------------------------------------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|
| SIMOTION D425-x | | | | | | | | | | | | | | | | | | |
| SIMOTION Control Unit D425-2 DP | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SIMOTION Control Unit D425-2 DP/PN | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SIMOTION D435-x | | | | | | | | | | | | | | | | | | |
| SIMOTION Control Unit D435-2 DP | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SIMOTION Control Unit D435-2 DP/PN | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SIMOTION D445-x | | | | | | | | | | | | | | | | | | |
| SIMOTION Control Unit D445-2 DP/PN | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| SIMOTION D455-x | | | | | | | | | | | | | | | | | | |
| SIMOTION Control Unit D455-2 DP/PN | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

2.5 Motion Controller P3x0 <====> SIMOTION Kernel

| Description | SIMOTION P3xx V4.3 SP1 HF1 | SIMOTION P3xx V4.3 SP1 HF3 | SIMOTION P3xx V4.3 SP1 HF9 | SIMOTION P3xx V4.3 SP1 HF12 | SIMOTION P3xx V4.3 SP1 HF17 | SIMOTION P3xx V4.3 SP1 HF23 | SIMOTION P320-4 V4.4 HF6 | SIMOTION P320-4 V4.4 HF11 | SIMOTION P320-4 V4.5 HF1 | SIMOTION P320-4 V4.5 HF3 | SIMOTION P320-4 V4.5 HF5 | SIMOTION P320-4 V5.1 HF1 | SIMOTION P320-4 V5.1 HF6 | SIMOTION P320-4 V5.2 SP1 | SIMOTION P320-4 V5.3 SP1 |
|---|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SIMOTION P320-3 | | | | | | | | | | | | | | | |
| SIMOTION Motion Controller P320-3 | X | X | X | X | X | X | | | | | | | | | |
| SIMOTION P320-4 | | | | | | | | | | | | | | | |
| SIMOTION Motion Controller P320-4 S | | | | | | | X | X | X | X | X | X | X | X | X |
| SIMOTION Motion Controller P320-4 E | | | | | | | X | X | X | X | X | X | X | X | X |
| SIMOTION P350-3 | | | | | | | | | | | | | | | |
| SIMOTION Motion Controller P350-3 ISOPROFIBUS without DVD | X | X | X | X | X | X | | | | | | | | | |
| SIMOTION Motion Controller P350-3 ISOPROFIBUS with DVD | X | X | X | X | X | X | | | | | | | | | |
| SIMOTION Motion Controller P350-3 MCI-PN without DVD | X | X | X | X | X | X | | | | | | | | | |
| SIMOTION Motion Controller P350-3 MCI-PN with DVD | X | X | X | X | X | X | | | | | | | | | |

2.6 SCOUT <====> SIMOTION Kernel

The data shown here refer in the same way to SCOUT stand-alone

| Description | SIMOTION Kernel V4.3 SP1 HF1 | SIMOTION Kernel V4.3 SP1 HF2 | SIMOTION Kernel V4.3 SP1 HF3 | SIMOTION Kernel V4.3 SP1 HF9 | SIMOTION Kernel V4.3 SP1 HF12 | SIMOTION Kernel V4.3 SP1 HF17 | SIMOTION Kernel V4.3 SP1 HF20 | SIMOTION Kernel V4.3 SP1 HF23 | SIMOTION Kernel V4.4 HF1 | SIMOTION Kernel V4.4 HF4 | SIMOTION Kernel V4.4 HF6 | SIMOTION Kernel V4.4 HF11 | SIMOTION Kernel V4.4 HF17 | SIMOTION Kernel V4.5 HF1 | SIMOTION Kernel V4.5 HF3 | SIMOTION Kernel V4.5 HF5 | SIMOTION Kernel V5.1 HF1 | SIMOTION Kernel V5.1 HF6 | SIMOTION Kernel V5.2 SP1 | SIMOTION Kernel V5.3 SP1 | |
|----------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---|
| SCOUT | | | | | | | | | | | | | | | | | | | | | |
| SCOUT V5.3 SP1 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

2.7 SCOUT <====> SIMOTION project

The data shown here refer in the same way to SCOUT stand-alone

A project is always created for exactly one kernel version and one device type and will only run on the relevant SIMOTION device if this exact kernel version and device type are available. If this is not the case, the SIMOTION device remains in the STOP mode.

| Description | SIMOTION Project V4.3 SP1 | SIMOTION Project V4.4 | SIMOTION Project V4.5 | SIMOTION Project V5.1 | SIMOTION Project V5.2 SP1 | SIMOTION Projekt V5.3 SP1 |
|----------------|---------------------------|-----------------------|-----------------------|-----------------------|---------------------------|---------------------------|
| SCOUT | | | | | | |
| SCOUT V5.3 SP1 | X | X | X | X | X | X |

3 CHAPTER

In this chapter, you will find information about the interaction of additional engineering packages to SCOUT regarding the kernel.

3.1 SCOUT <===> Integrated operation: S7 Technology

From ≥ SIMOTION V4.0 , SIMATIC S7 Technology is integrated in SCOUT. The SIMOTION SCOUT and the SIMATIC S7 technology cannot be operated simultaneously as a single installation on a PC/PG.

| Description | | S7-Technology V4.2 SP4 HF1 |
|----------------|---|----------------------------|
| SCOUT | | |
| SCOUT V5.3 SP1 | X | |

3.2 SCOUT <====> S7-Distributed Safety & S7-F ConfigurationPack

| Description | S7-Distributed Safety V5.4 SP5 Upd2 | S7-F ConfigurationPack V5.5 SP13 |
|----------------|-------------------------------------|----------------------------------|
| SCOUT | | |
| SCOUT V5.3 SP1 | X | X |

3.3 SCOUT <====> CamTool

| Description | CamTool V3.0 SP3 HF2 | CamTool V4.1 HF1 | CamTool V4.2 SP1 | CamTool V4.3 SP1 |
|----------------|----------------------|------------------|------------------|------------------|
| SCOUT | | | | |
| SCOUT V5.3 SP1 | X | X | X | X |

3.4 SCOUT <====> SIMOTION Simulation

CPUs can be simulated up to the number of installed SIMOSIM version.
 (e. g. with SIMOSIM V5.1 HF1 only CPUs with the device firmware V5.1 can be simulated.
 Currently only D4x5-2 CPUs, from RT Version 5.1 onwards can be simulated.
 Further details are available in the readme of SIMOSIM (...DVD2\SIMOSIM\Readme.rtf).

| Description | SIMOTION Simulation V5.1 HF6 | SIMOTION Simulation V5.2 SP1 HF5 | SIMOTION Simulation V5.3 SP1 |
|----------------------------|------------------------------|----------------------------------|------------------------------|
| SCOUT | | | |
| SCOUT V5.3 SP1 | X | X | X |
| SCOUT Stand-alone | | | |
| SCOUT Stand-alone V5.3 SP1 | X | X | X |

3.5 SCOUT <====> DCC

DCC is not currently released for SCOUT TIA

| Description | DCC SIMOTION V3.3 SP1 |
|--------------------------------|-----------------------|
| SCOUT SCOUT V5.3 SP1 | X |

3.6 CFC <====> DCC

Please refer also the SCOUT readme for additional information regarding CFC

| Description | DCC SIMOTION V2.0 SP1 | DCC SIMOTION V2.0 SP1 HF2 | DCC SIMOTION V2.0 SP1 HF5 | DCC SIMOTION V2.0 SP1 HF6 | DCC SIMOTION V2.0 SP2 | DCC SIMOTION V2.0 SP4 HF1 | DCC SIMOTION V2.0 SP5 HF3 | DCC SIMOTION V2.1 | DCC SIMOTION V2.2 SP1 | DCC SIMOTION V2.3 HF1 | DCC SIMOTION V2.4 HF1 | DCC SIMOTION V3.1 HF1 | DCC SIMOTION V3.2 SP1 | DCC SIMOTION V3.3 SP1 |
|-------------------|-----------------------|---------------------------|---------------------------|---------------------------|-----------------------|---------------------------|---------------------------|-------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| S7-CFC | | | | | | | | | | | | | | |
| CFC V7.0 HF1 | X | X | X | X | | | | | | | | | | |
| CFC V7.0 SP1 HF3 | | | | | X | X | X | X | X | | | | | |
| CFC V7.0 SP1 HF5 | | | | | | X | X | X | X | | | | | |
| CFC V7.1 SP2 HF2 | | | | | | | | X | X | | | | | |
| CFC V8.0 | | | | | | | | | X | | | | | |
| CFC V8.0 Upd1 | | | | | | | | | X | | | | | |
| CFC V8.0 SP4 Upd2 | | | | | | | | | | X | X | | | |
| CFC V8.0 SP4 Upd9 | | | | | | | | | | X | | | | |
| CFC V8.2 | | | | | | | | | | | X | X | | X |
| CFC V9.0 | | | | | | | | | | | | X | X | X |
| CFC V9.0 SP2 Upd2 | | | | | | | | | | | | | | X |

3.7 SCOUT <===> SIMATIC NET PC Software

| Description | |
|---------------------------------|---|
| SIMATIC NET PC Software V15 SP1 | |
| SCOUT | |
| SCOUT V5.3 SP1 | X |

3.8 OPC Server (SIMATIC NET) <====> SIMOTION Kernel

| Description | SIMOTION Kernel V4.3 SP1 HF1 | SIMOTION Kernel V4.3 SP1 HF2 | SIMOTION Kernel V4.3 SP1 HF3 | SIMOTION Kernel V4.3 SP1 HF9 | SIMOTION Kernel V4.3 SP1 HF12 | SIMOTION Kernel V4.3 SP1 HF17 | SIMOTION Kernel V4.3 SP1 HF20 | SIMOTION Kernel V4.3 SP1 HF23 | SIMOTION Kernel V4.4 HF1 | SIMOTION Kernel V4.4 HF4 | SIMOTION Kernel V4.4 HF6 | SIMOTION Kernel V4.4 HF11 | SIMOTION Kernel V4.4 HF17 | SIMOTION Kernel V4.5 HF1 | SIMOTION Kernel V4.5 HF3 | SIMOTION Kernel V4.5 HF5 | SIMOTION Kernel V5.1 HF1 | SIMOTION Kernel V5.1 HF6 | SIMOTION Kernel V5.2 SP1 | SIMOTION Kernel V5.3 SP1 |
|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| OPC Server (SIMATIC NET) | | | | | | | | | | | | | | | | | | | | |
| OPC Server (SIMATIC NET) V7.1 SP3 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| OPC Server (SIMATIC NET) V7.1 SP5 | | | | | | | | | X | X | X | X | X | | | | | | | |
| OPC Server (SIMATIC NET) V8.1 SP1 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| OPC Server (SIMATIC NET) V8.1 SP2 | | | X | X | X | X | X | X | | | | | | | | | | | | |
| OPC Server (SIMATIC NET) V8.2 SP1 | | | | | X | X | X | X | X | X | X | X | X | | | | | | | |
| OPC Server (SIMATIC NET) V8.2 SP2 | | | | | X | X | X | X | | | | | | | | | | | | |
| OPC Server (SIMATIC NET) V12 SP1 | | | | | | | | | X | X | X | X | X | | | | | | | |
| OPC Server (SIMATIC NET) V12 SP2 | | | | | | | | | X | X | X | X | X | | | | | | | |
| OPC Server (SIMATIC NET) V13 | | | | | | | | | X | X | X | X | X | | | | | | | |
| OPC Server (SIMATIC NET) V13 SP1 | | | | | | | | | | | X | X | X | | | | | | | |
| OPC Server (SIMATIC NET) V14 | | | | | | | | | | | | | | X | X | X | | | | |
| OPC Server (SIMATIC NET) V14 SP1 | | | | | | | | | | | | | | X | X | X | X | | | |
| OPC Server (SIMATIC NET) V15 | | | | | | | | | | | | | | | | X | X | X | | |
| OPC Server (SIMATIC NET) V15 SP1 | | | | | | | | | | | | | | | | | | | X | X |

3.9 SCOUT <===> WinCC flexible ES

| Description | | | |
|----------------|---|---|---|
| SCOUT | | | |
| SCOUT V5.3 SP1 | X | X | X |

3.10 WinCC flexible RT <===> SIMOTION Kernel

| Description | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | SIMOTION Kernel V4.3 SP1 HF1 | SIMOTION Kernel V4.3 SP1 HF2 | SIMOTION Kernel V4.3 SP1 HF3 | SIMOTION Kernel V4.3 SP1 HF9 | SIMOTION Kernel V4.3 SP1 HF12 | SIMOTION Kernel V4.3 SP1 HF17 | SIMOTION Kernel V4.3 SP1 HF20 | SIMOTION Kernel V4.3 SP1 HF23 | SIMOTION Kernel V4.4 HF1 | SIMOTION Kernel V4.4 HF4 | SIMOTION Kernel V4.4 HF6 | SIMOTION Kernel V4.4 HF11 | SIMOTION Kernel V4.4 HF17 | SIMOTION Kernel V4.5 HF1 | SIMOTION Kernel V4.5 HF3 | SIMOTION Kernel V4.5 HF5 | SIMOTION Kernel V5.1 HF1 | SIMOTION Kernel V5.1 HF6 | SIMOTION Kernel V5.2 SP1 | SIMOTION Kernel V5.3 SP1 |
| WinCC flexible RT | | | | | | | | | | | | | | | | | | | | |
| WinCC flexible RT 2008 SP3 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| WinCC flexible RT 2008 SP3 Upd2 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| WinCC flexible RT 2008 SP3 Upd4 | | | | | | | | | X | X | X | X | X | | | | | | | |
| WinCC flexible RT 2008 SP3 Upd5 | | | | | | | | | X | X | X | X | X | | | | | | | |
| WinCC flexible RT 2008 SP3 Upd7 | | | | | | | | | | | X | X | X | X | X | X | X | X | X | X |
| WinCC flexible RT 2008 SP5 | | | | | | | | | | | | | | | | | X | X | X | X |

4 CHAPTER

In this chapter, you will find information about the interaction of additional technology packages to the kernel and to the WebTraceViewer.

4.1 Technology packages <===> SIMOTION Kernel

| Description | SIMOTION Kernel V4.3 SP1 HF1 | SIMOTION Kernel V4.3 SP1 HF2 | SIMOTION Kernel V4.3 SP1 HF3 | SIMOTION Kernel V4.3 SP1 HF9 | SIMOTION Kernel V4.3 SP1 HF12 | SIMOTION Kernel V4.3 SP1 HF17 | SIMOTION Kernel V4.3 SP1 HF20 | SIMOTION Kernel V4.3 SP1 HF23 | SIMOTION Kernel V4.4 HF1 | SIMOTION Kernel V4.4 HF4 | SIMOTION Kernel V4.4 HF6 | SIMOTION Kernel V4.4 HF11 | SIMOTION Kernel V4.4 HF17 | SIMOTION Kernel V4.5 HF1 | SIMOTION Kernel V4.5 HF3 | SIMOTION Kernel V4.5 HF5 | SIMOTION Kernel V5.1 HF1 | SIMOTION Kernel V5.1 HF6 | SIMOTION Kernel V5.2 SP1 | SIMOTION Kernel V5.3 SP1 |
|--|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SIMOTION TP CAM | | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology package CAM V4.3 SP1 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| SIMOTION Technology package CAM V4.4 | | | | | | | | | X | X | X | X | X | | | | | | | |
| SIMOTION Technology package CAM V4.5 | | | | | | | | | | | | | | X | X | X | | | | |
| SIMOTION Technology package CAM V5.1 | | | | | | | | | | | | | | | | | X | X | | |
| SIMOTION Technologiepaket CAM V5.2 SP1 | | | | | | | | | | | | | | | | | | | X | |
| SIMOTION Technologiepaket CAM V5.3 SP1 | | | | | | | | | | | | | | | | | | | | X |
| SIMOTION TP CAM EXT | | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology package CAM_EXT V4.3 SP1 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| SIMOTION Technology package CAM_EXT V4.4 | | | | | | | | | X | X | X | X | X | | | | | | | |
| SIMOTION Technology package CAM_EXT V4.5 | | | | | | | | | | | | | | X | X | X | | | | |
| SIMOTION Technology package CAM_EXT V5.1 | | | | | | | | | | | | | | | | | X | X | | |
| SIMOTION Technologiepaket CAM_EXT V5.2 SP1 | | | | | | | | | | | | | | | | | | | X | |
| SIMOTION Technologiepaket CAM_EXT V5.3 SP1 | | | | | | | | | | | | | | | | | | | | X |
| SIMOTION TP PATH | | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology package PATH V4.3 SP1 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| SIMOTION Technology package PATH V4.4 | | | | | | | | | X | X | X | X | X | | | | | | | |
| SIMOTION Technology package PATH V4.5 | | | | | | | | | | | | | | X | X | X | | | | |

| Description | SIMOTION Kernel V4.3 SP1 HF1 | SIMOTION Kernel V4.3 SP1 HF2 | SIMOTION Kernel V4.3 SP1 HF3 | SIMOTION Kernel V4.3 SP1 HF9 | SIMOTION Kernel V4.3 SP1 HF12 | SIMOTION Kernel V4.3 SP1 HF17 | SIMOTION Kernel V4.3 SP1 HF20 | SIMOTION Kernel V4.3 SP1 HF23 | SIMOTION Kernel V4.4 HF1 | SIMOTION Kernel V4.4 HF4 | SIMOTION Kernel V4.4 HF6 | SIMOTION Kernel V4.4 HF11 | SIMOTION Kernel V4.4 HF17 | SIMOTION Kernel V4.5 HF1 | SIMOTION Kernel V4.5 HF3 | SIMOTION Kernel V4.5 HF5 | SIMOTION Kernel V5.1 HF1 | SIMOTION Kernel V5.1 HF6 | SIMOTION Kernel V5.2 SP1 | SIMOTION Kernel V5.3 SP1 |
|---|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SIMOTION TP PATH | | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology package PATH V5.1 | | | | | | | | | | | | | | | | | | X | X | |
| SIMOTION Technologiepaket PATH V5.2 SP1 | | | | | | | | | | | | | | | | | | | | X |
| SIMOTION Technologiepaket PATH V5.3 SP1 | | | | | | | | | | | | | | | | | | | | X |
| SIMOTION TP TControl | | | | | | | | | | | | | | | | | | | | |
| SIMOTION TP TControl V4.3 SP1 | X | X | X | X | X | X | X | X | | | | | | | | | | | | |
| SIMOTION TP TControl V4.4 | | | | | | | | | X | X | X | X | X | | | | | | | |
| SIMOTION TP TControl V4.5 | | | | | | | | | | | | | | X | X | X | | | | |
| SIMOTION TP TControl V5.1 | | | | | | | | | | | | | | | | | X | X | | |
| SIMOTION TP TControl V5.2 SP1 | | | | | | | | | | | | | | | | | | | X | |
| SIMOTION TP TControl V5.3 SP1 | | | | | | | | | | | | | | | | | | | | X |

4.2 DCC technology packages <====> SIMOTION Kernel

| Description | SIMOTION Kernel V4.3 SP1 HF1 | SIMOTION Kernel V4.3 SP1 HF2 | SIMOTION Kernel V4.3 SP1 HF3 | SIMOTION Kernel V4.3 SP1 HF9 | SIMOTION Kernel V4.3 SP1 HF12 | SIMOTION Kernel V4.3 SP1 HF17 | SIMOTION Kernel V4.3 SP1 HF20 | SIMOTION Kernel V4.3 SP1 HF23 | SIMOTION Kernel V4.4 HF1 | SIMOTION Kernel V4.4 HF4 | SIMOTION Kernel V4.4 HF6 | SIMOTION Kernel V4.4 HF11 | SIMOTION Kernel V4.4 HF17 | SIMOTION Kernel V4.5 HF1 | SIMOTION Kernel V4.5 HF3 | SIMOTION Kernel V4.5 HF5 | SIMOTION Kernel V5.1 HF1 | SIMOTION Kernel V5.1 HF6 | SIMOTION Kernel V5.2 SP1 | SIMOTION Kernel V5.3 SP1 |
|--------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SIMOTION TP DCC - DCB Library | | | | | | | | | | | | | | | | | | | | |
| TPdcplib_SIMOTION_4_1_5 V2.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| TPdcplib_SIMOTION_4_2 V3.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| TPdcplib_SIMOTION_4_3 V4.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| TPdcplib_SIMOTION_4_4 V4.4 | | | | | | | | | X | X | X | X | X | X | X | X | X | X | X | X |
| TPdcplib_SIMOTION_4_5 V4.5 | | | | | | | | | | | | | | X | X | X | X | X | X | X |

4.3 OA technology packages <====> SCOUT

The OA packages for SIMOTION V5.3 SP1 are released later.
 Further details are available in the readme of the OA technology packages.

| Description | SCOUT V4.3 SP1 HF1 | SCOUT V4.3 SP1 HF3 | SCOUT V4.3 SP1 HF9 | SCOUT V4.3 SP1 HF12 | SCOUT V4.3 SP1 HF17 | SCOUT V4.3 SP1 HF23 | SCOUT V4.4 HF2 | SCOUT V4.4 HF4 | SCOUT V4.4 HF6 | SCOUT V4.4 HF8 | SCOUT V4.4 HF11 | SCOUT V4.5 HF1 | SCOUT V4.5 HF6 | SCOUT V5.1 HF1 | SCOUT V5.1 HF6 | SCOUT V5.2 SP1 |
|---|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|
| SIMOTION OACAMGEN | | | | | | | | | | | | | | | | |
| SIMOTION Technology package OACAMGEN V1.1 | X | X | X | X | X | X | | | | | | | | | | |
| SIMOTION Technology package OACAMGEN V2.0 | X | X | X | X | X | X | | | | | | | | | | |
| SIMOTION Technology package OACAMGEN V3.0 HF1 | | | | | | | X | X | X | X | X | | | | | |
| SIMOTION Technology package OACAMGEN V4.0 HF1 | | | | | | | | | | | X | | | | | |
| SIMOTION Technology package OACAMGEN V4.0 HF3 | | | | | | | X | X | X | X | X | | | X | X | |
| SIMOTION Technology package OACAMGEN V4.1 | | | | | | | X | X | X | X | X | | | X | X | X |
| SIMOTION OADPM | | | | | | | | | | | | | | | | |
| SIMOTION Technology package OADPM V1.2 HF1 | X | X | X | X | X | X | | | | | | | | | | |
| SIMOTION Technology package OADPM V1.2 HF2 | X | X | X | X | X | X | | | | | | | | | | |
| SIMOTION OALECO | | | | | | | | | | | | | | | | |
| SIMOTION Technology Package OALECO V1.1 | | | | | | | | | | | | | | | X | X |
| SIMOTION OAMIIF | | | | | | | | | | | | | | | | |
| SIMOTION Technology Package OAMIIF V1.0 HF5 | X | X | X | X | X | X | | | | | | X | X | | | |
| SIMOTION Technology Package OAMIIF V1.0 HF6 | | | | | | | | | | | | | | | | X |
| SIMOTION OAVIBX | | | | | | | | | | | | | | | | |
| SIMOTION Technology Package OAVIBX V1.0 HF3 | X | X | X | X | X | X | | | | | | | | | | |
| SIMOTION Technology Package OAVIBX V1.0 HF4 | | | | | | | | | | | X | | | | | X |

4.4 OA technology packages <====> SIMOTION Kernel

The OA packages for SIMOTION V5.3 SP1 are released later.
 Further details are available in the readme of the OA technology packages.

| Description | SIMOTION kernel V4.3 SP1 HF1 | SIMOTION kernel V4.3 SP1 HF2 | SIMOTION kernel V4.3 SP1 HF3 | SIMOTION kernel V4.3 SP1 HF9 | SIMOTION kernel V4.3 SP1 HF12 | SIMOTION kernel V4.3 SP1 HF17 | SIMOTION kernel V4.3 SP1 HF20 | SIMOTION kernel V4.3 SP1 HF23 | SIMOTION kernel V4.4 HF1 | SIMOTION kernel V4.4 HF4 | SIMOTION kernel V4.4 HF6 | SIMOTION kernel V4.4 HF11 | SIMOTION kernel V4.4 HF17 | SIMOTION kernel V4.5 HF1 | SIMOTION kernel V4.5 HF3 | SIMOTION kernel V4.5 HF5 | SIMOTION kernel V5.1 HF1 | SIMOTION kernel V5.1 HF6 | SIMOTION kernel V5.2 SP1 |
|---|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SIMOTION OACAMGEN | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology package OACAMGEN V1.1 | X | | X | X | X | X | | X | | | | | | | | | | | |
| SIMOTION Technology package OACAMGEN V2.0 | | | | X | X | X | X | X | | | | | | | | | | | |
| SIMOTION Technology package OACAMGEN V3.0 HF1 | | | | | | | | | X | X | X | X | X | | | | | | |
| SIMOTION Technology package OACAMGEN V4.0 HF1 | | | | | | | | | X | X | X | X | X | | | | | | |
| SIMOTION Technology package OACAMGEN V4.0 HF3 | | | | | | | | | X | X | X | X | X | | | | X | X | |
| SIMOTION Technology package OACAMGEN V4.1 | | | | | | | | | X | X | X | X | X | | | | X | X | X |
| SIMOTION OADPM | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology package OADPM V1.2 HF1 | X | | X | X | X | X | | X | | | | | | | | | | | |
| SIMOTION Technology package OADPM V1.2 HF2 | X | X | X | X | X | X | X | X | | | | | | | | | | | |
| SIMOTION OALECO | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology Package OALECO V1.1 | | | | | | | | | | | | | | | | | | X | X |
| SIMOTION OAMIIF | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology Package OAMIIF V1.0 HF5 | X | X | X | X | X | X | X | X | | | | | | X | X | X | | | |
| SIMOTION Technology Package OAMIIF V1.0 HF6 | | | | | | | | | | | | | | | | | | | X |
| SIMOTION OAVIBX | | | | | | | | | | | | | | | | | | | |
| SIMOTION Technology Package OAVIBX V1.0 HF3 | X | X | X | X | X | X | X | X | | | | | | | | | | | |
| SIMOTION Technology Package OAVIBX V1.0 HF4 | | | | | | | | X | | | X | X | | | | | | | X |

4.5 WebTraceViewer <===> SIMOTION Kernel

As of SIMOTION V4.5, HTML5-based trace visualization is available in the standard web pages of the SIMOTION web server.

| Description | SIMOTION Kernel V4.3 SP1 HF1 | SIMOTION Kernel V4.3 SP1 HF2 | SIMOTION Kernel V4.3 SP1 HF3 | SIMOTION Kernel V4.3 SP1 HF9 | SIMOTION Kernel V4.3 SP1 HF12 | SIMOTION Kernel V4.3 SP1 HF17 | SIMOTION Kernel V4.3 SP1 HF20 | SIMOTION Kernel V4.3 SP1 HF23 | SIMOTION Kernel V4.4 HF1 | SIMOTION Kernel V4.4 HF4 | SIMOTION Kernel V4.4 HF6 | SIMOTION Kernel V4.4 HF11 | SIMOTION Kernel V4.4 HF17 | SIMOTION Kernel V4.5 HF1 | SIMOTION Kernel V4.5 HF3 | SIMOTION Kernel V4.5 HF5 | SIMOTION Kernel V5.1 HF1 | SIMOTION Kernel V5.1 HF6 | SIMOTION Kernel V5.2 SP1 | SIMOTION Kernel V5.3 SP1 |
|-------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| WebTraceViewer | | | | | | | | | | | | | | | | | | | | |
| WebTraceViewer V2.0 | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | |
| WebTraceViewer V2.0 HF1 | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | |
| WebTraceViewer V2.2 | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | |
| WebTraceViewer V2.2 SP1 | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | |
| WebTraceViewer V2.3 | X | X | X | X | X | X | X | X | X | X | X | X | X | | | | | | | |
| WebTraceViewer V2.4 | | | | | | | | | | | | | | X | X | X | X | X | X | X |

4.6 WebTraceViewer <====> Windows

| Description | Windows NT 4.0 SP6 | Windows 2000 Prof SP3 | Windows 2000 Prof SP4 | Windows XP Professional SP1 | Windows XP Professional SP2 | Windows XP Professional SP3 | Windows Vista Business SP1 | Windows 7 Professional (32 Bit) | Windows 7 Professional (64 Bit) | Windows 7 Professional SP1 (32 Bit) | Windows 7 Professional SP1 (64 Bit) | Windows 7 Enterprise (32 Bit) | Windows 7 Enterprise (64 Bit) | Windows 7 Enterprise SP1 (32 Bit) | Windows 7 Enterprise SP1 (64 Bit) | Windows 7 Ultimate (32 Bit) | Windows 7 Ultimate (64 Bit) | Windows 7 Ultimate SP1 (32 Bit) | Windows 7 Ultimate SP1 (64 Bit) | Windows 10 Pro (64 Bit) | Windows 10 Enterprise (64 Bit) |
|-------------------------|--------------------|-----------------------|-----------------------|-----------------------------|-----------------------------|-----------------------------|----------------------------|---------------------------------|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------|-------------------------------|-----------------------------------|-----------------------------------|-----------------------------|-----------------------------|---------------------------------|---------------------------------|-------------------------|--------------------------------|
| WebTraceViewer | | | | | | | | | | | | | | | | | | | | | |
| WebTraceViewer V1.0 | X | X | X | X | X | X | X | | | | | | | | | | | | | | |
| WebTraceViewer V1.1 | X | X | X | X | X | X | X | | | | | | | | | | | | | | |
| WebTraceViewer V2.0 | | | | | | X | X | | | | | X | | | | X | | | | | |
| WebTraceViewer V2.0 HF1 | | | | | | X | X | X | | | | X | X | | | X | X | | | | |
| WebTraceViewer V2.2 | | | | | | X | X | X | | | | X | X | | | X | X | | | | |
| WebTraceViewer V2.2 SP1 | | | | | | X | X | X | | | | X | X | | | X | X | | | | |
| WebTraceViewer V2.3 | | | | | | X | | | | X | X | | | X | X | | | X | X | | |
| WebTraceViewer V2.4 | | | | | | | | | X | X | | | | X | X | | | X | X | X | X |

5 CHAPTER

This chapter contains information on the interaction between supplementary boards and memory cards.

5.1 SIMOTION D supplementary boards <====> SIMOTION D

5.1.1 SIMOTION D supplementary boards <====> SIMOTION D4xx

| Description | SIMOTION D4xx V4.3 SP1 HF1 SINAMICS S120 V2.6 SP2 HF13 | SIMOTION D4xx V4.3 SP1 HF3 SINAMICS S120 V2.6 SP2 HF17 | SIMOTION D4xx V4.3 SP1 HF9 SINAMICS S120 V2.6 SP2 HF17 | SIMOTION D4xx V4.3 SP1 HF12 SINAMICS S120 V2.6 SP2 HF17 | SIMOTION D4xx V4.3 SP1 HF17 SINAMICS S120 V2.6 SP2 HF19 | SIMOTION D4xx V4.3 SP1 HF23 SINAMICS S120 V2.6 SP2 HF19 |
|----------------------------------|---|---|---|--|--|--|
| Communication Board CBE30 | | | | | | |
| SINUMERIK / SIMOTION CBE30 | X | X | X | X | X | X |
| Terminal Boards TB30 | | | | | | |
| SINAMICS Terminal Board TB30 | X | X | X | X | X | X |

5.1.2 SIMOTION D supplementary boards <===> SIMOTION D4xx-2

The CBE30-2 device is released for the following Control Units D425-2 DP/PN, D435-2 DP/PN, D445-2 DP/PN, D455-2 DP/PN. The TB30 device is released for all following Control Units D4x5/D4x5-2.

| Description | SIMOTION D4x5-2 V4.3 SP1 HF1 SINAMICS S120 V4.5 HF2 | SIMOTION D4x5-2 V4.3 SP1 HF3 SINAMICS S120 V4.5 HF6 | SIMOTION D4x5-2 V4.3 SP1 HF9 SINAMICS S120 V4.5 HF6 | SIMOTION D4x5-2 V4.3 SP1 HF12 SINAMICS S120 V4.5 HF14 | SIMOTION D4x5-2 V4.3 SP1 HF17 SINAMICS S120 V4.5 HF20 | SIMOTION D4x5-2 V4.3 SP1 HF23 SINAMICS S120 V4.5 HF25 | SIMOTION D4x5-2 V4.4 HF1 SINAMICS S120 V4.7 HF1 | SIMOTION D4x5-2 V4.4 HF4 SINAMICS S120 V4.7 HF1 | SIMOTION D4x5-2 V4.4 HF6 SINAMICS S120 V4.7 HF12 | SIMOTION D4x5-2 V4.4 HF11 SINAMICS S120 V4.7 HF17 | SIMOTION D4x5-2 V4.4 HF17 SINAMICS S120 V4.7 HF24 | SIMOTION D4x5-2 V4.5 HF1 SINAMICS S120 V4.8 HF3 | SIMOTION D4x5-2 V4.5 HF3 SINAMICS S120 V4.8 HF3 | SIMOTION D4x5-2 V5.1 HF1 SINAMICS S120 V4.8 HF4 | SIMOTION D4x5-2 V5.1 HF6 SINAMICS S120 V4.8 HF4 | SIMOTION D4x5-2 V5.2 SP1 SINAMICS S120 V5.1 HF1 | SIMOTION D4x5-2 V5.3 SP1 SINAMICS S120 V5.2 HF1 | |
|----------------------------------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|
| Communication Board CBE30 | | | | | | | | | | | | | | | | | | |
| SINUMERIK / SIMOTION CBE30-2 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Terminal Boards TB30 | | | | | | | | | | | | | | | | | | |
| SINAMICS Terminal Board TB30 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |

5.2 SIMOTION P supplementary boards <====> SIMOTION P Kernel

The PROFIBUS board (6AU1390-0AA00-0AA1) and the MCI-PN board can be operated on all P350-3 modules (6AU1350-3AK4*-*BE2).

| Description | SIMOTION P3xx V4.3 SP1 HF1 | SIMOTION P3xx V4.3 SP1 HF3 | SIMOTION P3xx V4.3 SP1 HF9 | SIMOTION P3xx V4.3 SP1 HF12 | SIMOTION P3xx V4.3 SP1 HF17 | SIMOTION P3xx V4.3 SP1 HF23 | SIMOTION P320-4 V4.4 HF6 | SIMOTION P320-4 V4.4 HF11 | SIMOTION P320-4 V4.5 HF1 | SIMOTION P320-4 V4.5 HF3 | SIMOTION P320-4 V4.5 HF5 | SIMOTION P320-4 V5.1 HF1 | SIMOTION P320-4 V5.1 HF6 | SIMOTION P320-4 V5.2 SP1 | SIMOTION P320-4 V5.3 SP1 |
|---|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| SIMOTION P boards | | | | | | | | | | | | | | | |
| ISOPROFIBUS Board for P350-3 and P320-4 | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X |
| MCI-PN Board | X | X | X | X | X | X | | | | | | | | | |

5.3 Bootloader <====> SIMOTION C MMC Card

| Description | MMC CARD 32 MB, SIMOTION C240 (6AU1720-1JA00-0AA0) | MMC CARD 64 MB, SIMOTION C240 (6AU1720-1KA00-0AA0) |
|-------------------------|--|--|
| MMC Bootloader | | |
| MMC Bootloader V1.0.0.2 | X | |
| MMC Bootloader V1.1.0.0 | X | X |
| MMC Bootloader V1.2.0.0 | X | X |

5.4 SIMOTION Kernel C240 <====> SIMOTION C MMC Card

| Description | MMC CARD 32 MB, SIMOTION C240 (6AU1720-1JA00-0AA0) | MMC CARD 64 MB, SIMOTION C240 (6AU1720-1KA00-0AA0) |
|-------------------------------------|--|--|
| SIMOTION C Firmware (Kernel) | | |
| SIMOTION C240 V4.3 SP1 HF1 | X | X |
| SIMOTION C240 V4.3 SP1 HF3 | X | X |

| Description | MMC CARD 32 MB, SIMOTION C240 (6AU1720-1JA00-0AA0) | MMC CARD 64 MB, SIMOTION C240 (6AU1720-1KA00-0AA0) |
|-------------------------------------|--|--|
| SIMOTION C Firmware (Kernel) | | |
| SIMOTION C240 V4.3 SP1 HF9 | X | X |
| SIMOTION C240 V4.3 SP1 HF12 | X | X |
| SIMOTION C240 V4.3 SP1 HF17 | X | X |
| SIMOTION C240 V4.3 SP1 HF23 | X | X |
| SIMOTION C240 V4.4 HF1 | X | X |
| SIMOTION C240 V4.4 HF4 | X | X |
| SIMOTION C240 V4.4 HF6 | X | X |
| SIMOTION C240 V4.4 HF11 | X | X |
| SIMOTION C240 V4.5 HF1 | X | X |
| SIMOTION C240 V4.5 HF3 | X | X |
| SIMOTION C240 V5.1 HF1 | X | X |
| SIMOTION C240 V5.1 HF6 | X | X |
| SIMOTION C240 V5.2 SP1 | X | X |
| SIMOTION C240 V5.3 SP1 | X | X |

5.5 Bootloader <====> SIMOTION D CF Card

For additional notes, also refer to the Appendix, Chapter "Notes on SIMOTION D CF Cards"

| Description | CF CARD, SIMOTION D410-2 (1GB) (6AU1400-1PA22-0AAA0) | CF CARD, SIMOTION D410-2 (1GB) (6AU1400-1PA23-0AAA0) | CF CARD, SIMOTION D4x5 (32MB) (6AU1400-2JA00-0AAA0) | CF CARD, SIMOTION D4x5 (32MB) (6AU1400-2JA00-0CA0) | CF CARD, SIMOTION D4xx (32MB) (6AU1400-2JA00-0DA0) | CF CARD, SIMOTION D4x5 (64 MB) (6AU1400-2KA00-0AAA0) | CF CARD, SIMOTION D4x5 (64MB) (6AU1400-2KA00-0CA0) | CF CARD, SIMOTION D4xx (64MB) (6AU1400-2KA00-0DA0) | CF CARD, SIMOTION D4xx (64MB) (6AU1400-2KA00-0FA0) | CF CARD, SIMOTION D4xx (64MB) (6AU1400-2KA00-0GA0) | CF CARD, SIMOTION D4x5 (64MB) (6AU1400-2KA01-0AAA0) | CF CARD, SIMOTION D4x5 (64MB) (6AU1400-2KA01-0CA0) | CF CARD, SIMOTION D4xx (512MB) (6AU1400-2NA00-0AAA0) | CF CARD, SIMOTION D4xx (1GB) (6AU1400-2PA00-0AAA0) | CF CARD, SIMOTION D4xx (1GB) (6AU1400-2PA01-0AAA0) | CF CARD, SIMOTION D4xx (1GB) (6AU1400-2PA02-0AAA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA21-0AAA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA22-0AAA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA23-0AAA0) |
|----------------------|--|--|---|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|
| CF Bootloader | | | | | | | | | | | | | | | | | | | |
| CF Bootloader V1.00 | X | X | | | | | | | | | | | | | | | | | |
| CF Bootloader V1.02 | X | X | | | | | | | | | | | | | | | | | |
| CF Bootloader V2.02 | | | X | X | X | | | | | | | | | | | | | | |
| CF Bootloader V2.03 | | | X | X | X | X | X | X | X | X | X | X | | | | | | | |
| CF Bootloader V2.07 | | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| CF Bootloader V2.08 | | | | | | | | | | | | | X | X | X | X | | | |
| CF Bootloader V2.09 | | | | | | | | | | | | | X | X | X | X | | | |
| CF Bootloader V2.10 | | | | | | | | | | | | | X | X | X | X | | | |
| CF Bootloader V3.02 | | | | | | | | | | | | | X | X | X | X | X | X | |
| CF Bootloader V3.04 | | | | | | | | | | | | | X | X | X | X | X | X | X |

5.6 SIMOTION Kernel D <====> SIMOTION D CF Card

5.6.1 SIMOTION Kernel D4xx <====> SIMOTION D CF Card

| Description | CF CARD, SIMOTION D4xx (1GB) (6AU1400-2PA00-0AA0) | CF CARD, SIMOTION D4xx (1GB) (6AU1400-2PA01-0AA0) | CF CARD, SIMOTION D4xx (1GB) (6AU1400-2PA02-0AA0) |
|---|--|--|--|
| SIMOTION D4xx Firmware (Kernel) | | | |
| SIMOTION D4xx V4.3 SP1 HF1 SINAMICS S120 V2.6 SP2 HF13 | X | X | X |
| SIMOTION D4xx V4.3 SP1 HF3 SINAMICS S120 V2.6 SP2 HF17 | X | X | X |
| SIMOTION D4xx V4.3 SP1 HF9 SINAMICS S120 V2.6 SP2 HF17 | X | X | X |
| SIMOTION D4xx V4.3 SP1 HF12 SINAMICS S120 V2.6 SP2 HF17 | X | X | X |
| SIMOTION D4xx V4.3 SP1 HF17 SINAMICS S120 V2.6 SP2 HF19 | X | X | X |
| SIMOTION D4xx V4.3 SP1 HF23 SINAMICS S120 V2.6 SP2 HF19 | X | X | X |

5.6.2 SIMOTION Kernel D4xx-2 <===> SIMOTION D CF Card

| Description | CF CARD, SIMOTION D410-2 (1GB) (6AU1400-1PA22-0AA0) | CF CARD, SIMOTION D410-2 (1GB) (6AU1400-1PA23-0AA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA21-0AA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA22-0AA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA23-0AA0) |
|---|--|--|--|--|--|
| SIMOTION D410-2 Firmware (Kernel) | | | | | |
| SIMOTION D410-2 V4.3 SP1 HF2 SINAMICS S120 V4.5 HF2 | X | X | | | |
| SIMOTION D410-2 V4.3 SP1 HF3 SINAMICS S120 V4.5 HF6 | X | X | | | |
| SIMOTION D410-2 V4.3 SP1 HF9 SINAMICS S120 V4.5 HF6 | X | X | | | |
| SIMOTION D410-2 V4.3 SP1 HF12 SINAMICS S120 V4.5 HF14 | X | X | | | |
| SIMOTION D410-2 V4.3 SP1 HF17 SINAMICS S120 V4.5 HF20 | X | X | | | |
| SIMOTION D410-2 V4.3 SP1 HF20 SINAMICS S120 V4.5 HF23 | X | X | | | |
| SIMOTION D410-2 V4.3 SP1 HF23 SINAMICS S120 V4.5 HF23 | X | X | | | |
| SIMOTION D410-2 V4.4 HF1 SINAMICS S120 V4.7 HF1 | X | X | | | |
| SIMOTION D410-2 V4.4 HF4 SINAMICS S120 V4.7 HF1 | X | X | | | |
| SIMOTION D410-2 V4.4 HF6 SINAMICS S120 V4.7 HF12 | X | X | | | |
| SIMOTION D410-2 V4.4 HF11 SINAMICS S120 V4.7 HF17 | X | X | | | |
| SIMOTION D410-2 V4.4 HF17 SINAMICS S120 V4.7 HF24 | X | X | | | |
| SIMOTION D410-2 V4.5 HF1 SINAMICS S120 V4.8 HF3 | X | X | | | |
| SIMOTION D410-2 V4.5 HF3 SINAMICS S120 V4.8 HF3 | X | X | | | |
| SIMOTION D410-2 V5.1 HF1 SINAMICS S120 V4.8 HF4 | X | X | | | |
| SIMOTION D410-2 V5.1 HF6 SINAMICS S120 V4.8 HF4 | X | X | | | |
| SIMOTION D410-2 V5.2 SP1 SINAMICS S120 V5.1 HF1 | X | X | | | |
| SIMOTION D410-2 V5.3 SP1 SINAMICS S120 V5.2 HF1 | X | X | | | |
| SIMOTION D4x5-2 Firmware (Kernel) | | | | | |
| SIMOTION D4x5-2 V4.3 SP1 HF1 SINAMICS S120 V4.5 HF2 | | | X | X | X |
| SIMOTION D4x5-2 V4.3 SP1 HF3 SINAMICS S120 V4.5 HF6 | | | X | X | X |
| SIMOTION D4x5-2 V4.3 SP1 HF9 SINAMICS S120 V4.5 HF6 | | | X | X | X |

| Description | CF CARD, SIMOTION D410-2 (1GB) (6AU1400-1PA22-0AAA0) | CF CARD, SIMOTION D410-2 (1GB) (6AU1400-1PA23-0AAA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA21-0AAA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA22-0AAA0) | CF CARD, SIMOTION D4x5-2 (1GB) (6AU1400-2PA23-0AAA0) |
|---|---|---|---|---|---|
| SIMOTION D4x5-2 Firmware (Kernel) | | | | | |
| SIMOTION D4x5-2 V4.3 SP1 HF12 SINAMICS S120 V4.5 HF14 | | | X | X | X |
| SIMOTION D4x5-2 V4.3 SP1 HF17 SINAMICS S120 V4.5 HF20 | | | X | X | X |
| SIMOTION D4x5-2 V4.3 SP1 HF23 SINAMICS S120 V4.5 HF25 | | | X | X | X |
| SIMOTION D4x5-2 V4.4 HF1 SINAMICS S120 V4.7 HF1 | | | X | X | X |
| SIMOTION D4x5-2 V4.4 HF4 SINAMICS S120 V4.7 HF1 | | | X | X | X |
| SIMOTION D4x5-2 V4.4 HF6 SINAMICS S120 V4.7 HF12 | | | X | X | X |
| SIMOTION D4x5-2 V4.4 HF11 SINAMICS S120 V4.7 HF17 | | | X | X | X |
| SIMOTION D4x5-2 V4.4 HF17 SINAMICS S120 V4.7 HF24 | | | X | X | X |
| SIMOTION D4x5-2 V4.5 HF1 SINAMICS S120 V4.8 HF3 | | | X | X | X |
| SIMOTION D4x5-2 V4.5 HF3 SINAMICS S120 V4.8 HF3 | | | X | X | X |
| SIMOTION D4x5-2 V5.1 HF1 SINAMICS S120 V4.8 HF4 | | | X | X | X |
| SIMOTION D4x5-2 V5.1 HF6 SINAMICS S120 V4.8 HF4 | | | X | X | X |
| SIMOTION D4x5-2 V5.2 SP1 SINAMICS S120 V5.1 HF1 | | | X | X | X |
| SIMOTION D4x5-2 V5.3 SP1 SINAMICS S120 V5.2 HF1 | | | X | X | X |

5.7 Supported Drives

SIMOTION supports SIMODRIVE/SINAMICS drives as well as all drives that are in compliance with the PROFIdrive standard. The communication with digital drives using PROFIBUS/PROFINET is made in accordance with the PROFIdrive V4 specification and the application classes 1 to 4 (class 4 both with and without DSC).

Supplementary information

Engineering software

Simultaneous operation of the variants SIMOTION SCOUT, STARTER, SIMATIC S7 Technology, SIMATIC NCM PC and STEP 7-Micro/WIN 32 (PC EDITION) on one PC/PG is not supported.

- **SSP (SINAMICS SUPPORT PACKAGE) for SCOUT**

The actual SSPs at the time of publication are always supplied together with the SCOUT engineering system.

For SSPs issued after the publication of SCOUT, the compatibility notes in the readme files of the SSPs must be observed.

- **PCS7 with SCOUT**

The compatibility of PCS7 with SIMOTION SCOUT has not been tested and therefore cannot be guaranteed. Only the compatibility of SIMOTION SCOUT with SIMATIC STEP7 as in the corresponding table above can be guaranteed.

User memory

• SIMOTION C user memory

| SIMOTION C user memory | | | | | |
|------------------------|--|----------|--------------|-------------------------------|--------------|
| SIMOTION C-devices | | C240 | C240 PN | C240 / C240 PN from FS 'G' | |
| User memory | RAM disk | V4.3 SP1 | 29 MB | 29 MB | 29 MB |
| | | V4.4 | 15 MB | 15 MB | 29 MB |
| | | V4.5 | --- | --- | 37 MB |
| | | V5.1 | --- | --- | 37 MB |
| | | V5.2 SP1 | --- | --- | 37 MB |
| | | V5.3 SP1 | --- | --- | 45 MB |
| | User RAM | V4.3 SP1 | 50 MB | 50 MB | 50 MB |
| | | V4.4 | 55 MB | 55 MB | 67 MB |
| | | V4.5 | --- | --- | 68 MB |
| | | V5.1 | --- | --- | 68 MB |
| | | V5.2 SP1 | --- | --- | 68 MB |
| | | V5.3 SP1 | --- | --- | 82 MB |
| | Retentive user variable | | 107 KB | 107 KB | 107 KB |
| | Persistent memory for user data (data storage on exchangeable storage medium) | | MMC: 64 MB | | |
| | Memory size available for the user on the storage medium (MMC) | V4.3 SP1 | 64: 52 MB *) | 64: 52 MB *) | 64: 52 MB *) |
| | | V4.4 | 64: 48 MB *) | 64: 48 MB *) | 64: 48 MB *) |
| | | V4.5 | --- | --- | 64: 48 MB *) |
| | | V5.1 | --- | --- | 64: 48 MB *) |
| | | V5.2 SP1 | --- | --- | 64: 48 MB *) |
| | | V5.3 SP1 | --- | --- | 64: 48 MB *) |

*) without Web Trace Viewe

• SIMOTION D user memory

| SIMOTION D4xx-2 user memory | | | | | | | | |
|--|--|----------|--------|----------|--------|--------|--------|--|
| SIMOTION D devices | | | D410-2 | D425-2 | D435-2 | D445-2 | D455-2 | |
| User memory | RAM disk | V4.3 SP1 | 31 MB | 31 MB | 41 MB | 56 MB | 76 MB | |
| | | V4.4 | 47 MB | 31 MB | 41 MB | 56 MB | 76 MB | |
| | | V4.5 | 47 MB | 31 MB | 41 MB | 56 MB | 76 MB | |
| | | V5.1 | 47 MB | 31 MB | 41 MB | 56 MB | 76 MB | |
| | | V5.2 SP1 | 47 MB | 31 MB | 41 MB | 56 MB | 76 MB | |
| | | V5.3 SP1 | 60 MB | 38 MB | 50 MB | 68 MB | 90 MB | |
| | User RAM | V4.3 SP1 | 48 MB | 48 MB | 64 MB | 128 MB | 256 MB | |
| | | V4.4 | 96 MB | 64 MB | 86 MB | 160 MB | 320 MB | |
| | | V4.5 | 96 MB | 64 MB | 86 MB | 160 MB | 320 MB | |
| | | V5.1 | 96 MB | 64 MB | 86 MB | 160 MB | 320 MB | |
| | | V5.2 SP1 | 96 MB | 64 MB | 86 MB | 160 MB | 320 MB | |
| | | V5.3 SP1 | 120 MB | 76 MB | 105 MB | 190 MB | 380 MB | |
| | Retentive user variable | V4.3 SP1 | 108 KB | 364 KB | 364 KB | 512 KB | 512 KB | |
| | | V4.4 | 108 KB | 364 KB | 364 KB | 512 KB | 512 KB | |
| | | V4.5 | 108 KB | 364 KB | 364 KB | 512 KB | 512 KB | |
| | | V5.1 | 108 KB | 364 KB | 364 KB | 512 KB | 512 KB | |
| | | V5.2 SP1 | 108 KB | 364 KB | 364 KB | 512 KB | 512 KB | |
| | | V5.3 SP1 | 108 KB | 364 KB | 364 KB | 512 KB | 512 KB | |
| | Persistent memory for user data (data storage on exchangeable storage medium) | | | CF: 1 GB | | | | |
| | Memory size available for the user on the storage medium (CF) | V4.3 SP1 | 300 MB | | | | | |
| | | V4.4 | 300 MB | | | | | |
| | | V4.5 | 300 MB | | | | | |
| | | V5.1 | 300 MB | | | | | |
| | | V5.2 SP1 | 300 MB | | | | | |
| V5.3 SP1 | | 300 MB | | | | | | |
| Additional working memory for Java application | V4.3 SP1 | 20 MB | | | | | | |
| | V4.4 | 20 MB | | | | | | |
| | V4.5 | 20 MB | | | | | | |
| | V5.1 | 20 MB | | | | | | |
| | V5.2 SP1 | 20 MB | | | | | | |
| | V5.3 SP1 | 20 MB | | | | | | |

| SIMOTION D4xx user memory | | | | | | | | |
|---------------------------|--|----------|------------------------------------|--------------------|--------------------------|------|-------------------------|--|
| SIMOTION D devices | | | D410 | D425 | D435 | D445 | D445-1 | |
| User memory | RAM disk | V4.3 SP1 | 23 MB | 29 MB | 29 MB | --- | 59 MB | |
| | User RAM | V4.3 SP1 | 38 MB | 48 MB | 48 MB | --- | 96 MB | |
| | Retentive user variable | V4.3 SP1 | 9 KB | 364 KB | 364 KB | --- | 364 KB | |
| | Persistent memory for user data (data storage on exchangeable storage medium) | | | CF: 512MB, 1 GB | CF: 32, 64, 512 MB, 1 GB | | CF: 64, 512 MB, 1 GB | CF: 512 MB, 1 GB |
| | Memory size available for the user on the storage medium (CF) | V4.3 SP1 | 512 MB CF: 300 MB, 1 GB CF: 300 MB | | | | --- | 512 MB CF: 300 MB, 1 GB CF: 300 MB |
| | Additional working memory for Java application | V4.3 SP1 | 20 MB | | | | --- | 20 MB |

• **SIMOTION P user memory**

| SIMOTION P user memory | | | | | |
|------------------------|--|----------|-----------------------------|----------------------|--|
| SIMOTION P devices | | | P3x0 | P320-4 | |
| User memory | RAM disk | V4.3 SP1 | 18 MB | --- | |
| | | V4.4 | --- | 76 MB | |
| | | V4.5 | --- | 76 MB | |
| | | V5.1 | --- | 76 MB | |
| | | V5.2 SP1 | --- | 76 MB | |
| | | V5.3 SP1 | --- | 76 MB | |
| | User RAM | V4.3 SP1 | 37 MB ¹⁾ | --- | |
| | | V4.4 | --- | 256 MB | |
| | | V4.5 | --- | 256 MB | |
| | | V5.1 | --- | 256 MB | |
| | | V5.2 SP1 | --- | 256 MB | |
| | | V5.3 SP1 | --- | 256 MB | |
| | Retentive user variable | | 15 KB To 256 KB with UPS | 364 KB | |
| | Persistent memory for user data (data storage on exchangeable storage medium) | | File(s) on hard disk | File(s) on hard disk | |
| | Memory size available for the user on the storage medium | V4.3 SP1 | adjustable ²⁾ | --- | |
| | | V4.4 | --- | 3,7 GB | |
| | | V4.5 | --- | 3,7 GB | |
| | | V5.1 | --- | 3,7 GB | |
| V5.2 SP1 | | --- | 3,7 GB | | |
| V5.3 SP1 | | --- | 3,7 GB | | |

¹⁾ Memory sizes can be configured for SIMOTION P via the SIMOTION P control manager up to maximum 200 MB

²⁾ Data on partition F in the Windows file system; however, all files are stored in the memory (BSOD) so that the only limitation is the lack of memory.

Notes regarding SIMOTION D CF Cards

SIMOTION D CF Cards are delivered with a boot loader and SIMOTION Kernel. If the SIMOTION Kernel is updated, the boot loader may also have to be updated. We always recommend that the latest boot loader available for the respective CF Card is used.

The boot loaders are located in the standard installation path\\Step7\\U7umc\\images

The following actual boot loaders are available:

- for 32 MB CF Cards: D4x5_boot32.bin, Version V2.07
- for 64 MB CF Cards: D4x5_boot64.bin, Version V2.07
- for 512 MB CF Cards: D4xx_boot512.bin, Version V3.04
- for 1 GB CF Cards (D4xx and D4x5-2): D4xx_D4x5_2_boot1024.bin, Version V3.04
- for 1 GB CF Cards (D410-2): D410_2_boot1024.bin; Version 1.02

A new boot loader can be written to the CF Card using SCOUT via "Options > Write boot sector".

1 GB CompactFlash Cards with order number 6AU1400-*PA*x-0AA0 (x = 1, 2 or 3) can only be used for the D4xx, D410-2 or D4x5-2 depending on the order number. Not only the firmware, but also the formatting and the boot loader can differ on the individual CompactFlash Cards. By adapting the formatting, boot loader and firmware, the 1 GB CompactFlash Cards can also be used for other SIMOTION D Control Units. Use of older 32, 64 and 512 MB CF Cards with SIMOTION D4xx-2 is not possible!

If a CF Card is used for another Control Unit, then the following measures may be required:

- The formatting might have to be changed
 - D4xx Control Units: FAT or FAT16 (not FAT32!)
 - D4xx-2 Control Units: FAT, FAT16 and FAT32 Because of the improved memory utilization on the CF Card, for SIMOTION D4xx-2 FAT32 formatting is recommended. FAT32 requires at least boot loader version V3.02.
- Replacing/updating the boot loader (use D410-2 and D4x5-2 Control Units e.g. different boot loaders!)
- Replacing the Card image (SIMOTION Kernel/Firmware) Download at:
<https://support.industry.siemens.com/cs/ww/en/view/31045047>

For additional information about handling CF Cards, see SIMOTION D Commissioning and Installation Manuals, Chapter, SIMOTION CompactFlash Card.

SIMATIC Teleservice for SCOUT

Teleservice is **not** available for **SCOUT TIA** (SIMOTION in the TIA Portal).

Teleservice will only supported up to Microsoft Version Windows 7, Microsoft Windows 10 will not be supported.

SIMOTION V4.3 SP1 / V4.4 / V4.5 / V5.1 / V5.2 SP1 / V5.3 SP1

| | | |
|---------------------|----------------------|-----------------------------------|
| TS-Adapter V5.1 | (6ES7972-0CA33-0XA0) | with SIMATIC Teleservice V6.1 SP5 |
| TS-Adapter II ISDN | (6ES7972-0CC35-0XA0) | with SIMATIC Teleservice V6.1 SP5 |
| TS-Adapter IE MODEM | (6ES7972-0EM00-0XA0) | with SIMATIC Teleservice V6.1 SP5 |

SIMATIC Panels and Panel-PCs to SIMOTION SCOUT V5.3 SP1 in conjunction with WinCC Advanced

The components listed below can together with SIMOTION controls V4.3 and up be projected and operated with a SCOUT V5.3 SP1.

| SCOUT TIA V5.3 SP1 / SIMOTION Device Proxy | | | Panel Firmware | | | | | | | |
|--|---|------------|----------------|-------|-------|---------|-------|---------|-------|-------|
| Order number | Device | Group | V11.0.2 | V12.0 | V13.0 | V13.0.1 | V14.0 | V14.0.1 | V15.0 | V15.1 |
| 6AV2104-0xA01-0AA0 | SIMATIC WinCC Runtime Advanced (all Power Tags) | Win CC | | X | X | X | X | X | X | X |
| 6AV2123-2DB03-0AX0 | KTP400 Basic | Basic 2nd | | | X | X | X | X | X | X |
| 6AV2123-2GA03-0AX0 | KTP700 Basic DP | Basic 2nd | | | X | X | X | X | X | X |
| 6AV2123-2GB03-0AX0 | KTP700 Basic | Basic 2nd | | | X | X | X | X | X | X |
| 6AV2123-2JB03-0AX0 | KTP900 Basic | Basic 2nd | | | X | X | X | X | X | X |
| 6AV2123-2MA03-0AX0 | KTP1200 Basic DP | Basic 2nd | | | X | X | X | X | X | X |
| 6AV2123-2MB03-0AX0 | KTP1200 Basic | Basic 2nd | | | X | X | X | X | X | X |
| 6AV2124-0GC01-0AX0 | TP700 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-0GC13-0AX0 | TP700 Comfort Outdoor | Comfort | | | | X | X | X | X | X |
| 6AV2124-0JC01-0AX0 | TP900 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-0MC01-0AX0 | TP1200 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-0QC02-0AX0 | TP1500 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-0QC02-0AX1 | TP1500 Comfort | Comfort | | | | X | X | X | X | X |
| 6AV2124-0QC13-0AX0 | TP1500 Comfort Outdoor | Comfort | | | | X | X | X | X | X |
| 6AV2124-0UC02-0AX0 | TP1900 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-0UC02-0AX1 | TP1900 Comfort | Comfort | | | | X | X | X | X | X |
| 6AV2124-0XC02-0AX0 | TP2200 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-0XC02-0AX1 | TP2200 Comfort | Comfort | | | | X | X | X | X | X |
| 6AV2124-1DC01-0AX0 | KP400 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-1GC01-0AX0 | KP700 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-1JC01-0AX0 | KP900 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-1MC01-0AX0 | KP1200 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-1QC02-0AX0 | KP1500 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2124-1QC02-0AX1 | KP1500 Comfort | Comfort | | | | X | X | X | X | X |
| 6AV2124-2DC01-0AX0 | KTP400 Comfort | Comfort | X | X | X | X | X | X | X | X |
| 6AV2125-2GB03-0AX0 | KTP700 Mobile | KTP Mobile | | | | X | X | X | X | X |
| 6AV2125-2GB23-0AX0 | KTP700F Mobile | KTP Mobile | | | | X | X | X | X | X |
| 6AV2125-2JB03-0AX0 | KTP900 Mobile | KTP Mobile | | | | X | X | X | X | X |
| 6AV2125-2JB23-0AX0 | KTP900F Mobile | KTP Mobile | | | | X | X | X | X | X |
| 6AV6645-0AC01-0AX0 | Mobile Panel 177 6" DP | Mobile | X | | | | | | | |
| 6AV6645-0AB01-0AX0 | | | | | | | | | | |
| 6AV6645-0AA01-0AX0 | | | | | | | | | | |
| 6AV6645-0BC01-0AX0 | Mobile Panel 177 6" PN | Mobile | X | | | | | | | |
| 6AV6645-0BB01-0AX0 | | | | | | | | | | |
| 6AV6645-0BA01-0AX0 | | | | | | | | | | |
| 6AV6645-0BE02-0AX0 | Mobile Panel 277 10" | Mobile | X | | | | | | | |
| 6AV6645-0CA01-0AX0 | Mobile Panel 277 8" | Mobile | X | | | | | | | |
| 6AV6645-0CB01-0AX0 | | | | | | | | | | |
| 6AV6645-0CC01-0AX0 | | | | | | | | | | |
| 6AV6645-0DD01-0AX1 | Mobile Panel 277 8" IWLAN V2 | Mobile | X | | | | | | | |
| 6AV6645-0DE01-0AX1 | | | | | | | | | | |
| 6AV6645-0FD01-0AX1 | | | | | | | | | | |
| 6AV6645-0FE01-0AX1 | | | | | | | | | | |
| 6AV6645-0EB01-0AX1 | Mobile Panel 277F 8" IWLAN V2 | Mobile | X | | | | | | | |
| 6AV6645-0GB01-0AX1 | | | | | | | | | | |
| 6AV6645-0GC01-0AX1 | | | | | | | | | | |
| 6AV6645-0EC01-0AX1 | Mobile Panel 277F 8" IWLAN V2 | Mobile | X | X | | | | | | |
| 6AV6645-0EF01-0AX1 | Mobile Panel 277F 8" IWLAN V2 (RFID Tag) | Mobile | X | X | | | | | | |
| 6AV6645-0EF01-0AX1 | Mobile Panel 277F 8" IWLAN (RFID Tag) | Mobile | X | | | | | | | |
| 6AV6645-0GF01-0AX1 | | | | | | | | | | |
| 6AV2124-0MC24-1AX0 | TP1200 Comfort PRO - for pedestal | Comfort | | | | X | X | X | X | X |
| 6AV2124-0MC24-0BX0 | TP1200 Comfort PRO - for support arm | Comfort | | | | X | X | X | X | X |
| 6AV2124-0QC24-1AX0 | TP1500 Comfort PRO - for pedestal | Comfort | | | | X | X | X | X | X |
| 6AV2124-0QC24-0BX0 | TP1500 Comfort PRO - for support arm | Comfort | | | | X | X | X | X | X |
| 6AV2124-0UC24-1AX0 | TP1900 Comfort PRO - for pedestal | Comfort | | | | X | X | X | X | X |
| 6AV2124-0UC24-0BX0 | TP1900 Comfort PRO - for support arm | Comfort | | | | X | X | X | X | X |
| 6AV2124-0XC24-1AX0 | TP2200 Comfort PRO - for pedestal | Comfort | | | | X | X | X | X | X |
| 6AV2124-0XC24-0BX0 | TP2200 Comfort PRO - for support arm | Comfort | | | | X | X | X | X | X |