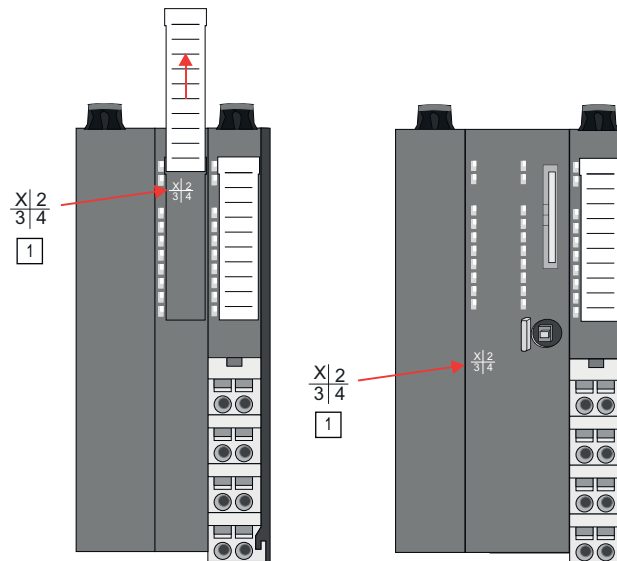


1 System SLIO - Compatibility list

1.1 CPUs and interface modules

Hardware revision

- The hardware revision is printed on every System SLIO module.
- Depending on the module type, there are the following 2 variants e.g. to indicate hardware revision 1:
 - With current labelling there is a 1 on the front.
 - With earlier labelling, the 1 is marked with 'X' on a number grid.
- On CPUs, the hardware revision is printed on the front.
- On interface modules, the hardware revision is located under the labeling strip of the corresponding electronics unit.
- On the CPUs and some bus couplers, you can check the hardware revision 'HW Revision' via the integrated web server.



- *Not listed and released SLIO Modules have no limitation to certain CPU or buscoupler types*
- *For additional limitations resulting from a particular operating mode, please refer to the manual.*
- *Product versions released before (incl. GSD) 1. January 2019 are not covered.*
- *Bug fixes in product versions (incl. GSD), that might require a newer version are not considered.*
- *Discontinued devices are not covered.*

System SLIO - Compatibility list

CPUs and interface modules

CPU

The following modules are supported from the hardware revision and firmware version of the System SLIO CPU:

Order no.	013- CCF0R00	014- CEF0R01	014- CEF0M31	015- CEFNR00	015- CEFPR01	017- CEFPR00	019- CEFP000	All CPUs
	HW / Px / FW	HW / Px / FW	HW / Px / FW	HW / Px / FW	HW / Px / FW	HW / Px / FW	HW / Px / FW	GSDML
021-1BH00	✓	✓	✓	✓	✓	✓	✓	Cx000166 V241
022-1BH00	✓	✓	✓	✓	✓	✓	✓	Cx000166 V241
031-1CA20	✓	✓	✓	✓	✓	✓	✓	✓
031-1PA00	✓	✓	✓	✓	✓	✓	✓	✓
031-1PA10	✓	✓	✓	✓	✓	✓	✓	✓
042-1IO00	01V17.001 Px000265 V3.0.16.0	02V22.001 Px000327 V3.0.16.0	02V22.001 Px000327 V3.0.16.0	03V32.001 Px000328 V3.0.16.0	02V23.001 Px000329 V3.0.16.0	02V34.001 Px000330 V3.0.16.0	01V13.001 Px000333 V3.0.16.0	Cx000166 V243
054-1BA00	✓	✓	✓	✓	✓	✓	✓	✓
054-2BA10	✓	✓	✓	✓	✓	✓	✓	Cx000166 V245
054-1CB00	✓	✓	✓	✓	✓	✓	✓	✓
054-1DA00	✓	✓	✓	✓	✓	✓	✓	✓
060-1AA00	✓	✓	✓	✓	✓	✓	✓	✓
061-1BA00	✓	✓	✓	✓	✓	✓	✓	✓
060-1AA01	01V17.003 Px000265 V3.0.20.0	02V22.003 Px000327 V3.0.20.0	02V22.003 Px000327 V3.0.20.0	03V32.003 Px000328 V3.0.20.0	02V23.003 Px000329 V3.0.20.0	02V34.003 Px000330 V3.0.20.0	01V13.003 Px000333 V3.0.20.0	✓
061-1BA01	01V17.003 Px000265 V3.0.20.0	02V22.003 Px000327 V3.0.20.0	02V22.003 Px000327 V3.0.20.0	03V32.003 Px000328 V3.0.20.0	02V23.003 Px000329 V3.0.20.0	02V34.003 Px000330 V3.0.20.0	01V13.003 Px000333 V3.0.20.0	✓

✓: Product version can be used without restrictions.

Interface modules

The following modules are supported from the hardware revision and firmware version of the System SLIO interface modules:

053-1xx01

Order no.	053-1PN01		053-1EC01		053-1IP01		053-1MT01	
	HW / Px / FW	GSDML	HW / Px / FW	ESI	HW / Px / FW	ESI	HW / Px / FW	
021-1BH00	✓	Cx000101 V306	✓	Cx000218 V008	✓	✓	-	
022-1BH00	✓	Cx000101 V306	✓	Cx000218 V008	✓	✓	-	
031-1CA20	✓	✓	✓	✓	✓	✓	✓	
031-1PA00	✓	✓	✓	✓	✓	✓	✓	
031-1PA10	✓	✓	✓	✓	✓	✓	✓	
042-1IO00	01V15.002 Px000312 V01.01.01	Cx000101 V307	01V18.002 Px000314 V02.01.01	Cx000218 V010	01V13.002 Px000325 V01.210	✓	-	
054-1BA00	✓	✓	✓	✓	✓	✓	-	
054-2BA10	✓	Cx000101 V308	✓	Cx000218 V014	HW01 V0.1	✓	✓	
054-1CB00	✓	✓	✓	✓	✓	✓	-	
054-1DA00	✓	✓	✓	✓	✓	✓	-	
060-1AA00	✓	✓	✓	✓	✓	✓	✓	
061-1BA00	✓	✓	✓	✓	✓	✓	✓	
060-1AA01	01V15.002 Px000312 V01.01.01	✓	01V18.004 Px000314 V02.02.01	✓	01V13.004 Px000325 V01.212	✓	01V13.002 Px000326 V01.02.01	
061-1BA01	01V15.002 Px000312 V01.01.01	✓	01V18.004 Px000314 V02.02.01	✓	01V13.004 Px000325 V01.212	✓	01V13.002 Px000326 V01.02.01	

✓: Product version can be used without restrictions.

053-1xxx0

Order no.	053-1CA00	053-1DP00		053-1ML00	053-1ML40			
	HW / Px / FW	HW / Px / FW	GSD					
021-1BH00	✓	06V74.003 Px000261 V02.00.12	Cx000023/146 V259/V259	-	✓			

✓: Product version can be used without restrictions.

053-1ML00: Additional information via supported modules can be found in the corresponding manual.

System SLIO - Compatibility list

CPUs and interface modules

Order no.	053-1CA00 HW / Px / FW	053-1DP00 HW / Px / FW	GSD	053-1ML00	053-1ML40			
022-1BH00	✓	06V74.003 Px000261 V02.00.12	Cx000023/146 V259/V259	-	✓			
031-1CA20	04V54.003 Px000101 V01.03.00	05V61.005 Px000V100 V01.04.01	Cx000023/146 V244	✓	✓			
031-1PA00	-	06V70.004 Px000261 V02.00.03	Cx000023/146 V251/V247	✓	✓			
031-1PA10	-	06V70.004 Px000261 V02.00.03	Cx000023/146 V255/V248	✓	✓			
042-1IO00	-	-	-	-	-			
054-1BA00	-	06V70.004 Px000261 V02.00.03	Cx000023/146 V251/V247	-	✓			
054-2BA10	-	-	-	-	✓			
054-1CB00	-	06V70.004 Px000261 V02.00.03	Cx000023/146 V251/V247	-	✓			
054-1DA00	-	06V70.004 Px000261 V02.00.03	Cx000023/146 V251/V247	-	✓			
060-1AA00	-	06V70.004 Px000261 V02.00.03	Cx000023/146 V251/V247	✓	✓			
061-1BA00	-	06V70.004 Px000261 V02.00.03	Cx000023/146 V251/V247	✓	✓			
060-1AA01	-	06V75.002 Px000261 V02.00.13	✓	-	✓			
061-1BA01	-	06V75.002 Px000261 V02.00.13	✓	-	✓			

✓: Product version can be used without restrictions.

053-1ML00: Additional information via supported modules can be found in the corresponding manual.

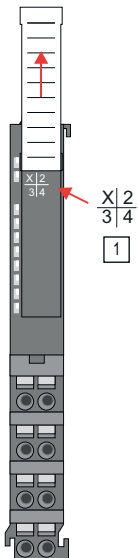
1.2 Isochronous mode

CPUs and IMs with isochronous mode

The following System SLIO CPUs or interface modules support isochronous mode:

- CPU 015-CEFNR00 - VSC/FSC Motion Control
- IM 053-1EC01 - DC (Distributed Clock Mode)
- IM 053-1PN01 - IRT (Isochronous Realtime Mode)
- IM 053-1ML00 - SYNC (Synchronous operation)
- IM 053-1ML40 - SYNC (Synchronous operation)

Hardware revision peripheral module



- The hardware revision is printed on every System SLIO module.
- Since a System SLIO 8x peripheral module consists of a terminal and electronic module, you will find a hardware revision printed on each of them. Authoritative is the hardware revision of the electronic module.
- Depending on the module type, there are the following 2 variants e.g. to indicate hardware revision 1:
 - With current labelling there is a 1 on the front.
 - With earlier labelling, the 1 is marked with 'X' on a number grid.



- Please note that the peripheral modules only support isochronous mode from the specified hardware revision.
- If there is a module with an older hardware revision or there is a not supported module, the outputs are disabled and the SF LED starts blinking.
- 16x peripheral modules currently do not support isochronous mode.

Peripheral modules

Isochronous mode is supported from the following hardware revision of the peripheral module

DI	Digital input	from HW revision
021-1BB00	SM 021 - DI 2xDC 24V	2
021-1BB10	SM 021 - DI 2xDC 24V 2µs...3ms	2
021-1BD00	SM 021 - DI 4xDC 24V	2
021-1BD10	SM 021 - DI 4xDC 24V 2µs...3ms	2
021-1BD40	SM 021 - DI 4xDC 24V 3 wire	2
021-1BD50	SM 021 - DI 4xDC 24V NPN	2
021-1BD70	SM 021 - DI 4xDC 24V ETS	2
021-1BD80	SM 021 - DI 4xDC24V, µs-Timestamp, NPN	-
021-1BF00	SM 021 - DI 8xDC 24V	2
021-1BF01	SM 021 - DI 8xDC 24V 0.5ms	1
021-1BF50	SM 021 - DI 8xDC 24V NPN	2
021-1BF51	SM 021 - DI 8xDC 24V, 0.5ms, NPN	-
021-1BH00	SM 021 - DI 16xDC 24V	-

System SLIO - Compatibility list

Isochronous mode

DO	Digital output	from HW revision
022-1BB00	SM 022 - DO 2xDC 24V 0.5A	2
022-1BB90	SM 022 - DO 2xDC 24V 0.5A PWM	2
022-1BD00	SM 022 - DO 4xDC 24V 0.5A	2
022-1BD20	SM 022 - DO 4xDC 24V 2A	2
022-1BD50	SM 022 - DO 4xDC 24V 0.5A NPN	2
022-1BD70	SM 022 - DO 4xDC 24V 0.5A ETS	2
022-1BD80	DO 4xDC 24V, μ s-Timestamp, NPN	-
022-1BF00	SM 022 - DO 8xDC 24V 0.5A	2
022-1BF01	SM 022 - DO 8xDC 24V 0.5A	1
022-1BF50	SM 022 - DO 8xDC 24V 0.5A NPN	2
022-1BH00	DO 16xDC24V, 0.5A	-
022-1HB10	SM 022 - DO 2xRelay	4
022-1HD10	SM 022 - DO 4xRelay	4

FM	Function module	from HW revision
050-1BA00	FM 050 - Counter module Advanced 1x32Bit	2
050-1BA10	FM 050 - Counter module 5V differential 1x32Bit	2
050-1BB00	FM 050 - Counter module 2x32Bit	2
050-1BB30	FM 050 - Counter module Eco 2x32Bit	3
050-1BB40	FM 050 - Frequency measurement 2x24Bit	2
050-1BS00	FM 050S - SSI module	3
054-2BA10	1xStepper 48V, 5A	-

Analog in-/output modules

Isochronous mode is not supported by analog in-/output modules with the order no. 03x-xxxxx.

Communication processors

Isochronous mode is not supported by communication processor modules with the order no. 040-1xA00.

Motion modules

Isochronous mode is not supported by motion modules with the order no. 054-1xx00.

Extension modules

Extension modules with the order no. 06x-1xA0x can be used with isochronous mode without restriction.

Power/Clamp modules

Power modules with the order no. 007-1ABxx can be used with isochronous mode without restriction.

Clamp modules with the order no. 001-1BAx can be used with isochronous mode without restriction.