

		SINAMICS IOP versions														
		IOP-1						IOP-2								
		V1.1 HF2	V1.2	V1.3 HF1	V1.4 HF2	V1.5 SP1	V1.6 SP2	V2.2	V2.3	V2.3 SP1	V2.4	V2.5	V2.6	V2.7 HF1	V2.7 SP1	V2.7 SP2
SINAMICS G120	CU230P-2	V4.4 ³	V4.4 ³	V4.4 ³	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
	CU230P-2 with PM330	-	-	-	V4.6 HF8	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
	CU240B-2	V4.4	V4.4	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
	CU240E-2	V4.4 ³	V4.4 ³	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
	CU250S-2	---	---	---	ab V4.6 HF4	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
	CU240E¹	V3.2.3	V3.2.3	V3.2.3	V3.2.3	---	---	---	---	---	---	---	---	---	---	---
CU240S¹	V3.2.3	V3.2.3	V3.2.3	V3.2.3	---	---	---	---	---	---	---	---	---	---	---	---
SINAMICS G120C		V4.4 ³	V4.4 ³	V4.5	V4.6	V4.7 HF10	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
SINAMICS G120X(A)		---	---	---	---	---	---	---	V01.00.01	V01.00.01	V01.00.01	V01.00.02	V01.00.03	V01.00.04	V01.00.04	V01.00.04
SINAMICS G110M		---	---	---	---	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
SINAMICS G110D²		V3.4	V3.4	V3.4	V3.6	V3.6	V3.6	V3.6	V3.6	V3.6	V3.6	V3.6	V3.6	V3.6	V3.6	V3.6
SINAMICS G120D²	CU240D-2	---	---	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
	CU250D-2	---	---	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
	CU240D	V3.1	V3.1	V3.1	V3.1	---	---	---	---	---	---	---	---	---	---	---
SIMATIC ET 200S FC²		V3.1	V3.1	V3.1	V3.1	---	---	---	---	---	---	---	---	---	---	---
SIMATIC ET 200pro FC²		V3.1	V3.1	V3.1	V3.1	V3.1	V3.1	---	---	---	---	---	---	---	---	---
SIMATIC ET 200pro FC-2²		---	---	---	---	---	V4.7 SP6	V4.7 SP10	V4.7 SP13	V4.7 SP13	V4.7 SP13	V4.7 SP14				
SIMATIC S110	CU305⁴	---	V4.4	V4.4	V4.4	V4.4 SP3	V4.4 SP3	---	---	---	---	---	---	---	---	---

¹ PC-Inverter connection kit needed (6SL3255-0AA00-2AA1)

² The IOP cannot be directly inserted on the G110D, G120D, ET200S/pro FC. To operate the IOP with the specified converters, an IOP handheld (6SL3255-0AA00-4HA0) is required. To connect the IOP handheld to the SINAMICS G120 D, the RS232 connecting cable with optical interface is additionally required (3RK1922-2BP00).

³ PROFINET devices will not supported

⁴ The IOP cannot be directly inserted on the Control Unit CU305. To operate the IOP on the CU305, an IOP handheld (6SL3255-0AA00-4HA0) or a door mounting kit (6SL3256-0AP00-4JA0) is required. The IOP handheld and the door mounting kit include a connecting cable, with which the IOP is connected to the CU305.

Note:

One IOP version supports the current FW (firmware) of an inverter and its predecessors.

Example: The IOP with V1.4 HF1 supports the CU240E-2 with FW V4.6, V4.5 and V4.4.

IOP Variant	FW Version	Internal Version	Content	Article ID	Available since
IOP-2	V2.7 SP2	02.07.02.00.07	IOP-2 Firmware V2.7 SP2 User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified. Support of: - SINAMICS G firmware V4.7 SP14 - SINAMICS G120X/ XA V1.04.02.00 / V1.05.01.00 - Bugs fixed	109762019	V2.7 SP2:16.04.2024 V2.7 SP1:14.02.2022 V2.7 HF1:12.09.2021 V2.6:18.08.2020 V2.5: 05.05.2020 V2.4: 7.01.2019 V2.3 SP1: 26.04.2019 V2.3: 11.12.2018
IOP-2	V2.7 SP1	02.07.01.00.37	IOP-2 Firmware V2.7 SP1 User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified. Support of: - SINAMICS G firmware V4.7 SP13 - Support G120XA PN - KHP setup menu added	109762019	V2.7 SP1:14.02.2022 V2.7 HF1:12.09.2021 V2.6:18.08.2020 V2.5: 05.05.2020 V2.4: 7.01.2019 V2.3 SP1: 26.04.2019 V2.3: 11.12.2018
IOP-2	V2.7 HF1	02.07.00.01.02	IOP-2 Firmware V2.7 HF1 User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified. Support of: - SINAMICS G firmware V4.7 SP13 - SINAMICS G120X/ XA V1.04.00.09 (V4.7 SP13) - New setup concept	109762019	V2.7 HF1:12.09.2021 V2.6:18.08.2020 V2.5: 05.05.2020 V2.4: 7.01.2019 V2.3 SP1: 26.04.2019 V2.3: 11.12.2018
IOP-2	V2.6	02.06.00.00.20	IOP-2 Firmware V2.6 User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified. Support of: - SINAMICS G firmware V4.7 SP13 - SINAMICS G120X/ XA V1.03.00.13 (V4.7 SP12) - New setup concept		V2.6: 18.08.2020 V2.5: 05.05.2020 V2.4: 7.01.2019 V2.3 SP1: 26.04.2019 V2.3: 11.12.2018
IOP-2	V2.5	02.05.00.00.10	IOP-2 Firmware V2.5 User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified. Support of: - SINAMICS G firmware V4.7 SP10 - SINAMICS G120X/ XA V1.02.00.13 (V4.7 SP12)		V2.5: 05.05.2020 V2.4: 7.01.2019 V2.3 SP1: 26.04.2019 V2.3: 11.12.2018
IOP-2	V2.4	02.04.00.00.10	IOP-2 Firmware V2.4 User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified. Support of: - SINAMICS G firmware V4.7 SP10 - SINAMICS G120X/ XA V1.01.00.13 (V4.7 SP12) - New setup concept		V2.4: 7.01.2019 V2.3 SP1: 26.04.2019 V2.3: 11.12.2018
IOP-2	V2.3 SP1	02.03.01.00.13	IOP-2 Firmware V2.3 SP1 User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified. Support of: - SINAMICS G firmware V4.7 SP10 - SINAMICS G120X/ XA V01.00.01 (V4.7 SP11) - New setup concept		V2.3 SP1: 26.04.2019 V2.3: 11.12.2018

IOP-2	V2.2	02.02.00.00.10	<p>IOP-2 Firmware V2.2</p> <p>User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified.</p> <p>Support of SINAMICS G firmware V4.7 SP10.</p> <p>Inclusive application wizards: Closed Loop, Open Loop, Roller Conveyor, Staging, PID, Boost, Extended Safety.</p>	109748340	<p>V2.2: 04.06.2018 V2.1 SP1: 27.02.2018 V2.1: 27.11.2017 V2.0 SP1: 05.10.2017 V2.0: 22.06.2017</p>
IOP-1	V1.6 SP2	01.06.23.00	<p>IOP-1 Firmware V1.6 SP2</p> <p>User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish and Chinese simplified via a separate IOP.</p> <p>Support of SINAMICS G firmware V4.7 SP6.</p> <p>Optional application wizards: Closed Loop, Open Loop, Roller Conveyor, Staging, PID, Boost, Extended Safety.</p> <p>The named content are part of the article and could be loaded to the IOP via the IOP-Updater.</p>	109476464	<p>V1.6 SP2: 13.04.2016 V1.6 SP1 HF2: 13.11.2015 V1.6 SP1: 22.07.2015 V1.6: 10.06.2015</p>
IOP-1	V1.5 SP1	01.05.28.00	<p>IOP-1 Firmware V1.5 SP1</p> <p>User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish</p> <p>Optional application wizards: Closed Loop, Open Loop, Roller Conveyor, Staging, PID, Boost, Extended Safety</p> <p>The named content are part of the article and could be loaded to the IOP via the IOP-Updater.</p>	109474584	2015/3/20
IOP-1	V1.5	01.05.22.00	<p>IOP-1 Firmware V1.5</p> <p>User Interface Language: German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish</p> <p>Named languages are part of the article and could be loaded to the IOP via the IOP-Updater.</p>	100427102	2014/9/24
IOP-1		01.04.38.00	<p>IOP-1 Firmware V1.4 HF2</p> <p>User Interface Language: Standard languages: German, English, French, Italian, Spanish</p> <p>Additional languages: Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish</p> <p>Article includes also the language suites</p>	73159342	2013/12/17
IOP-1	V1.3 HF1	01.03.16.00	<p>IOP-1 Firmware V1.3 HF1</p> <p>No Language packages available</p>	64326377	2012/9/24
IOP-1	V1.2		<p>Additional languages for IOP-1 V1.2 und V1.1 HF2</p>	65127268	2012/1/22
IOP-1	V1.2		<p>IOP-1 Firmware V1.2</p> <p>User Interface Language: Standard languages: German, English, French, Italian, Spanish</p> <p>Additional languages: Portuguese, Swedish, Russian, Czech, Polish, Turkish</p> <p>Download of the additional languages see Article-ID 65127268</p>	57025979	2011/12/12

IOP-1	V1.1 HF2		IOP-1 Firmware V1.1 HF2 User Interface Language: Standard languages: German, English, French, Italian, Spanish Additional languages: Swedish, Czech, Polish, Dutch Download of the additional languages see Article-ID 65127268	51445357	2011/7/8
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