

		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
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 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
	CU230P-2 with PM330	-	-	-	V4.6 HF8	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
	CU240B-2	V4.4	V4.4	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
	CU240E-2	V4.4 ³	V4.4 ³	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
	CU250S-2	---	---	---	ab V4.6 HF4	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
	CU240E ¹	V3.2.3	V3.2.3	V3.2.3	V3.2.3	---	---	---	---	---	---	---	---	---
CU240S ¹	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 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
SINAMICS G120X		---	---	---	---	---	---	---	V01.00.01	V01.00.01	V01.00.01	V01.00.02	V01.00.03	V01.00.04
SINAMICS G110M		---	---	---	---	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
SINAMICS G110D ²		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
SINAMICS G120D ²	CU240D-2	---	---	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
	CU250D-2	---	---	V4.5	V4.6	V4.7 HF8	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
	CU240D	V3.1	V3.1	V3.1	V3.1	---	---	---	---	---	---	---	---	---
SIMATIC ET 200S FC ²		V3.1	V3.1	V3.1	V3.1	---	---	---	---	---	---	---	---	
SIMATIC ET 200pro FC ²		V3.1	V3.1	V3.1	V3.1	V3.1	V3.1	---	---	---	---	---	---	
SIMATIC ET 200pro FC-2 ²		---	---	---	---	---	V4.7 SP6	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP10	V4.7 SP13	V4.7 SP13
SIMATIC S110	CU305 ⁴	---	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	02.07.00.01.02	<p>IOP-2 Firmware V2.7</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:</p> <ul style="list-style-type: none"> - SINAMICS G firmware V4.7 SP13 - SINAMICS G120X/ XA V1.04.00.09 (V4.7 SP13) - New setup concept 	109762019	<p>V2.7:12.09.2021</p> <p>V2.6:18.08.2020</p> <p>V2.5: 05.05.2020</p> <p>V2.4: 7.01.2019</p> <p>V2.3 SP1: 26.04.2019</p> <p>V2.3: 11.12.2018</p>
IOP-2	V2.6	02.06.00.00.20	<p>IOP-2 Firmware V2.6</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:</p> <ul style="list-style-type: none"> - SINAMICS G firmware V4.7 SP13 - SINAMICS G120X/ XA V1.03.00.13 (V4.7 SP12) - New setup concept 		<p>V2.6: 18.08.2020</p> <p>V2.5: 05.05.2020</p> <p>V2.4: 7.01.2019</p> <p>V2.3 SP1: 26.04.2019</p> <p>V2.3: 11.12.2018</p>
IOP-2	V2.5	02.05.00.00.10	<p>IOP-2 Firmware V2.5</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:</p> <ul style="list-style-type: none"> - SINAMICS G firmware V4.7 SP10 - SINAMICS G120X/ XA V1.02.00.13 (V4.7 SP12) 		<p>V2.5: 05.05.2020</p> <p>V2.4: 7.01.2019</p> <p>V2.3 SP1: 26.04.2019</p> <p>V2.3: 11.12.2018</p>
IOP-2	V2.4	02.04.00.00.10	<p>IOP-2 Firmware V2.4</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:</p> <ul style="list-style-type: none"> - SINAMICS G firmware V4.7 SP10 - SINAMICS G120X/ XA V1.01.00.13 (V4.7 SP12) - New setup concept 		<p>V2.4: 7.01.2019</p> <p>V2.3 SP1: 26.04.2019</p> <p>V2.3: 11.12.2018</p>
IOP-2	V2.3 SP1	02.03.01.00.13	<p>IOP-2 Firmware V2.3 SP1</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:</p> <ul style="list-style-type: none"> - SINAMICS G firmware V4.7 SP10 - SINAMICS G120X/ XA V01.00.01 (V4.7 SP11) - New setup concept 		<p>V2.3 SP1: 26.04.2019</p> <p>V2.3: 11.12.2018</p>
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</p> <p>V2.1 SP1: 27.02.2018</p> <p>V2.1: 27.11.2017</p> <p>V2.0 SP1: 05.10.2017</p> <p>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	V1.6 SP2: 13.04.2016 V1.6 SP1 HF2: 13.11.2015 V1.6 SP1: 22.07.2015 V1.6: 10.06.2015
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	3/20/2015
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	9/24/2014
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	12/17/2013
IOP-1	V1.3 HF1	01.03.16.00	<p>IOP-1 Firmware V1.3 HF1</p> <p>No Language packages available</p>	64326377	9/24/2012
IOP-1	V1.2		<p>Additional languages for IOP-1 V1.2 und V1.1 HF2</p>	65127268	1/22/2012
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	12/12/2011
IOP-1	V1.1 HF2		<p>IOP-1 Firmware V1.1 HF2</p> <p>User Interface Language: Standard languages: German, English, French, Italian, Spanish</p> <p>Additional languages: Swedish, Czech, Polish, Dutch</p> <p>Download of the additional languages see Article-ID 65127268</p>	51445357	7/8/2011