

操作指南•5/2015

STARTER 离线升级 G120 项目

STARTER,G120,离线升级,升级项目

https://support.industry.siemens.com/cs/cn/zh/view/109477410

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STARTER 离线升级 G120 项目

概述

当 STARTER 中项目版本比控制单元的固件版本低时,需要先升级项目版本,才能将项目下载至控制单元中,如图 1-1 所示。为保证项目升级成功进行,请下载最新的 STARTER 调试软件。下载地址为:

https://support.industry.siemens.com/cs/us/en/view/26233208

本实验采用的软件版本为 STARTER V4.4, 控制单元为 CU250s-2 PN V4.7 版本的 G120。

在 STARTER 项目中配置的控制单元版本为 V4.6,本文采用离线的方式将 V4.6 的项目版本升级到 V4.7 版本。

B 🐴 🕻	G120_upgrad	e	Online/offline compa	arison		×			
Insert single drive unit									
	 B→B Control_Unit Configuration Expert list 		The online configuration of G120_CU250S_2_VECTOR (SINAMICS CU250S-2 PN Vector V4.6) differs from the project saved offline.						
	# Drive	a navigator		Offline	Online				
Inputs/outputs			Firmware version	V4.6	V4.7				
	E Seto	oint channel	FM bit 10	Unknown	Activated				
	E 2 Oper	n-loop/closed-loop con							
	E > Func	tions							
	B & Mess	sages and monitoring							
	E > Tech	nology controller							
	⊞- ≯ Com	missioning							
Communication									
	🗄 🎾 Diag	nostics	If these differences are not adjusted, the online representation may be incomplete.						
	🗄 🛄 Docume	entation							
•	SINAMICS	LIBRARIES	Adjust via:	Download					
÷-(🖻 🛄 MONITOR								
				Load to PG					
			l .	The target device has a	newer version than the device in the	project.			
			l .	You can connect on devi-	car with a never firmware version bu	t only use the			
				functionality of the old	d firmware.	t only use the			
			l .	You can download your co the PC is not recommend	onfiguration to the target device, bu	t an upload to			
Project [the ro is not recommende	ca. Trease also note the information	in the help.			
			41.00 GUOLOG O UPG	TOD					
				IOR					
	Level	Message			Close	Help			
	12	All							
	3 Information	G120_C0250S_2_VECTOR	C Connection has been est	ablished. Connection to target static	on: Address: 192.168.0.20, slot: 2.				
	4 Warning	G120_CU250S_2_VECTOR	Connection buildup from a	a device of type 'SINAMICS CU250S	S-2 PN Vector V4.6' to a hardware of type 'SINAMIC	S CU250S-2 PN Vector V4.7			
	5 Information	Start of the online consiste	new check for all online devices						
	6 Information	Start of the consistency up	dating						
8 Warning G120 CU250S 2 VECTOR			rearry 2 ¹ The set configuration is different than the configuration of the device						
	9 Information	End of the online consisten	cy check for all online device	ces.					

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1.1

图 1-1 项目版本与控制单元的固件版本不一致

1.2 离线升级

使用 STARTER 打开原有的 G120 项目文件,在左侧导航栏右键点击驱动单元, 依次选择"Target Device"->" Upgrade Device Version/Characteristic",如图 1-2 所示。

G120_upgrade	t		l r	Expert lis	1 60 - 1 1	Ent	ter sear	
G120_CU250S_2_V	Open HW configuration					Data	Parame	
🖃 🔂 Control_Unit	Cut			1	12	A	Drive ope	
-> Configurat	Com			2	p3	-	Access	
> Expert list	Paste			3	p10	<u> </u>	Drive con	
Drive navic				4	p14		Buffer m	
	D.L.			5	p15		Macro dr	
E Setpoint c	Delete			6	r18		Control U	
Dep-loor	Rename			7	r20		Speed se	
European Sections	Compare			8	r21		CO: Actu	
				9	r22		Speed ad	
	Connect target device			10	r24		Output fr	
H-> Commissi	Target device	•	Download	drive uni	t to target dev	ice		
E Scommuni	Expert	•	Copy RAM to ROM					
⊕ ≫ Diagnostic	Configure drive unit		Load drive unit to PG Restore factory settings					
Documentatio SINAMICS LIBRAR	Drive unit write protection							
	Drive unit know-how protection Online		Online acc	ne access				
	Documentation	+	Upgrade device version/characteristic					
	Properties	T		21	r41		Energy c	

图 1-2 选中升级项目的对话框

从弹出的窗口中选择需要升级到的版本,点击"Upgrade",完成项目升级。如 图 1-3 所示。

Upgrade Device Version/Characteristic	<u> </u>
Current device characteristic and version	SINAMICS CU250S-2 Vector V4.6
Available device characteristics:	SINAMICS CU250S-2 Vector
Available device versions:	V4.7
Upgrade	Cancel Help

图 1-3 完成项目升级

Copyright © Siemens AG Copyright year All rights reserved 项目升级完成后,在左侧导航栏右键点击驱动单元,选择"Properties",查看 当前离线项目中控制单元的固件版本,用来确定项目是否已经升级成功,如图 1-4 所示。

G120_upgrade					
Configure drive	Open HW configuration				
E Control_Unit	Cut				
operties - G120_CU250S_2_VECTOR		× ×			
General Drive unit / access point DEVICE	addresses Object address				
Device family:	SINAMICS				
Device:	SINAMICS G120				
Device characteristic:	CU250S-2 Vector				
Order no.:	6SL3 246-xxxxxxx				
Version:	4.7				
THE Documentation	Comigure unive unit				
	Drive unit write protection				
	Drive unit know-how protection				
	Documentation				
	Properties				

图 1-4 检查升级完成以后的项目版本

1.3 在线下载项目

- 1) 使用 STARTER 连接 G120 变频器,点击在线;
- 2) 点击按钮" Download project to target system";
- 3) 下载升级后的项目,选中" Copy RAM to ROM";
- 4) 点击" Yes",如图 1-5 所示。



图 1-5 下载新项目至 G120 变频器

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