

学习/培训文档

西门子自动化教育合作项目 (SCE) | 从 V14 SP1 开始

博途 (TIA Portal) 模块 011-001 SIMATIC S7-1200 固件升级

siemens.com/sce



本培学习/培训文档适用于以下 SCE 教育培训产品

- · SIMATIC S7-1200 AC/DC/继电器 6 套"博途 (TIA Portal)" 订货号: 6ES7214-1BE30-4AB3
- SIMATIC S7-1200 DC/DC/DC 6 套"博途 (TIA Portal)" 订货号: 6ES7214-1AE30-4AB3
- SIMATIC STEP 7 BASIC V14 SP1 升级版(适用于 S7-1200) 6 套"博途 (TIA Portal)" 订货号: 6ES7822-0AA04-4YE5

请注意,必要时会使用后续培训产品代替本培训产品。 可通过以下网页获得最新的 SCE 可用培训产品概览: <u>siemens.com/sce/tp</u>

培训课程

各地的 Siemens SCE 课程培训请联系当地的 SCE 联系人。 siemens.com/sce/contact

有关 SCE 的其它信息

siemens.com/sce

使用说明

集成自动化解决方案 - 全集成自动化 (TIA) 的培训资料适用于"西门子自动化教育合作项目 (SCE)",专门 用于公共教育机构和研发机构的培训。Siemens AG 对其内容不提供任何担保。

本资料仅可用于 Siemens 产品/系统的首次培训。即允许全部或部分复印本资料并当面转交给培训人员,令 其在培训框架范围内使用。允许在公共培训场合出于培训目的转发、复制本资料或传播其内容。

例外情况需经 Siemens AG 联系人的书面许可: Roland Scheuerer 先生 <u>roland.scheuerer@siemens.com</u>。

违者须承担赔偿损失责任。保留包含翻译在内的所有权利,尤其针对授予专利或 GM 记录方面的权利。

严禁用于工业客户培训课程。我们绝不允许该资料用于商业目的。

感谢德累斯顿工业大学,特别是 Michael Dziallas Engineering 公司的 Leon Urbas 教授(工程博士)和所 有参与支持编纂此份 SCE 教学资料的参与人员。

目录

1	目札	示	
2	前扔	是条件	ŧ4
3	所需	需的碩	更件和软件4
4	基码	出理论	⊵5
4	4.1	自动	b化系统 SIMATIC S7-12005
4	4.2	CPL	J 1214C DC/DC/DC 的操作元件和显示元件6
	4.2	.1	CPU 1214C DC/DC/DC 的正面视图6
	4.2	.2	SIMATIC 存储卡 (MC)
	4.2	.3	CPU 的运行状态
	4.2	.4	状态显示与故障显示
4	4.3	编程	e软件 STEP 7 Basic (TIA Portal V14)9
	4.3	.1	博途 (TIA Portal) 的基本设置9
	4.3	.2	设置编程设备的 IP 地址11
	4.3	.3	在 CPU 中设置 IP 地址14
	4.3	.4	将 CPU 恢复到出厂设置17
	4.3	.5	加载 SIEMENS 的固件更新支持页面19
	4.3	.6	CPU 的固件升级
5	更重	多相关	长信息

固件升级 - SIMATIC S7-1200

1 目标

在这一章节中,我们将展示如何使用博途 (TIA Portal) 检查 SIMATIC S7-1200 的 CPU 固件状态及 进行升级。

可以使用第3章所述的 SIMATIC S7 控制器。

2 前提条件

您无需任何基础即可顺利完成本模块的学习。

3 所需的硬件和软件

- 工程组态站:必要的硬件和操作系统是工程组态站的前提
 (更多信息参见博途 (TIA Portal) 安装 DVD 里的自述文件)
- 2 博途 (TIA Portal) 软件平台里的 SIMATIC STEP 7 Basic 软件 V14 SP1 及以上版本
- 3 控制器 SIMATIC S7-1200,例如 CPU 1214C DC/DC/DC V4.2.1 及以上固件版本
- 4 工程组态站和控制器之间采用以太网连接





2 SIMATIC STEP 7 Basic (TIA Portal), V14 SP1 及 以上版本

3 控制器 SIMATIC S7-1200

4 基础理论

4.1 自动化系统 SIMATIC S7-1200

自动化系统 SIMATIC S7-1200 是一套适用于低功率范围的模块化小型控制器。

为了配合各种自动化任务,它还具有有全面的模块系列。

S7 控制器由电源、带有集成输入和输出端的 CPU 以及用于数字及模拟信号的输入和输出模块组成。

必要时针对特殊任务(例如步进电机控制)还可能会用到通信处理器和功能模块。

4.2 CPU 1214C DC/DC/DC 的操作元件和显示元件

4.2.1 CPU 1214C DC/DC/DC 的正面视图

只要有集成的电源(24V 电源)和集成输入/输出端,即使没有其他元件, CPU 1214C DC/DC/DC 仍可直接投入使用。

CPU 有一个集成的 TCP/IP 接口,可通过编程设备与其进行通信。

CPU 可利用 HMI 操作设备或其他的 CPU 通过以太网进行通信。



- ① **24 V** 电源
- ② 可插拔的接线盒,用于用户布线(位于翻盖后面)
- ③ 用于显示集成式 I/O 状态和 CPU 的运行状态的 LED
- ④ TCP/IP 接口(位于 CPU 底部)

4.2.2 SIMATIC 存储卡 (MC)

SIMATIC 存储卡 (MC) 选件可存储程序、数据、系统数据、文件和项目。它还可用于:

- 将程序传输至多个 CPU
- CPU、信号模块 SM 和 通信模块 CM 的固件升级
- 一般的 CPU 更换



4.2.3 CPU 的运行状态

CPU 有以下三种运行状态:

- 在 STOP 运行状态下, CPU 不执行任何程序, 此时可加载项目。
- 在 STARTUP 运行状态下, CPU 启动。
- 在 RUN 运行状态下,程序将循环执行。

CPU 没有物理开关来切换运行状态。

但您可以通过软件 STEP 7 Basic 操作面板上的按钮来切换运行状态(STOP 或 RUN)。此外,操 作面板上还有一个 MRES(存储器复位)按钮,用于执行存储器复位,并且还有显示 CPU 状态的 LED 指示灯。

Press Control [CPU 1516-3 PN/DP
RUN / STOP	RUN
ERROR	STOP
MAINT	MRES

4.2.4 状态显示与故障显示

CPU 正面的 LED 状态指示灯 RUN/STOP 通过指示灯颜色显示当前运行状态。



黄灯显示

STOP 运行状态。

· 绿灯显示

RUN 运行状态。

· 闪烁灯显示

STARTUP 运行状态。

此外,LED 指示灯 ERROR 表示故障,LED 指示灯 MAINT 表示需要维护。

4.3 编程软件 STEP 7 Basic (TIA Portal V14)

STEP 7 Basic V14 (TIA Portal V14) 软件是用于自动化系统的编程工具:

- SIMATIC S7-1200
- 精简面板

通过 STEP 7 Basic V14 可执行如下功能,以实现设备的自动化:

- 硬件的组态和参数赋值
- 确定通信方式
- 固件升级
- 编程
- 借助运行/诊断功能执行测试、调试和服务
- 文件归档
- 利用集成的 WinCC Basic 为 SIMATIC 精简面板进行可视化设置

可通过详细的在线帮助获取关于全部功能的支持信息。

4.3.1 博途 (TIA Portal) 的基本设置

- ® 用户可对博途 (TIA Portal) 里的特定设置进行独立预设置。此处将介绍几个重要的设置。
- 请在项目视图里选择菜单 "选项 (Options)",然后选择 "设置 (Settings)"。

ect Edit View Insert Onlin	e Options Tools Window	Help		Totally Integrated Automation
🔁 🖬 Save project 📕 🐰 💷	Settings	e 🖉 Go offline 🔥	🖪 🖪 🗶 🔄 🔛 🔄 earch in project>	PORTA
roject tree [Support packages			Tasks 🔳 🗊 🕨
Devices	Manage general station Start Automation License	description files (GSD) e Manager		Options
<u> </u>	📕 🖉 Show reference text			
Galine access	Global libraries	►		✓ Find and replace
Card ReadenUSB memory				Find: Whole words only Match case Find in substructure Find in hidden texts Use regular express Down Up
			Reporties Linfo Diagnos	stics
	General Cross	-references Compile Energy Suite		Whole document
	🕄 🚹 🜖 Show all m	nessages 💌		O From current positi
				O Selection
Details view	! Path	Description	Go to ? Errors Wa	mings Time Replace Re
				< m
				>> Languages & res

- ⑧ 其中一项基本设置用于选择用户界面语言及程序介绍语言。在下文中这两项设置均选用"英语 (English)"。
- language)" ⑧ "英语 (English)" 及"助记符 (Mnemonic)" ⑧ "英语 (English)" 。

TIA V14	Siemens			_ - ×
P	roject Edit View Insert Or 🔆 🎦 🗔 Save project 🔳 🐰	iline Options Tools Window Help	🛛 🙀 💋 Goonline 🖉 Gooffline 🛔 🎼 🗶 🕨	Totally Integrated Automation PORTAL
►	Settings			_ # # × <
	 General 	General		× 5
	 Hardware configuration 			
H	PLC programming	General		L.
5	STEP 7 Safety			İbr
	Simulation	General settings		ar.
	Online & diagnostics			ß
	PLC alarms	User name:	mde	
	Visualization	User interface language:	English	-
	Keyboard shortcuts	4 Mamonist	International	
	Password providers	wherhome.	German	
	Multiuser	Show list of recently used	International	
	CAx	projects:	8 🗢 elements	
			Load last opened project during startup	
		Tooltips:	Show truncated texts completely	
			Show tooltips (context-sensitive help is available)	

提示:可随时将这些设置更改为"德语 (German)"或其他"各国语种 (International)"。

4.3.2 设置编程设备的 IP 地址

为了使用 PC、PG 或手提式电脑对 SIMATIC S7-1200 控制器的 CPU 进行高级配置,需要建立 TCP/IP 连接。

为使计算机和 SIMATIC S7-1200 可通过 TCP/IP 进行彼此间的通信,必须对两台设备的 IP 地址进行匹配。

现在首先介绍如何为装有 Windows 10 操作系统的计算机设置 IP 地址。

® 请在下方任务栏找到网络图标的位置 , 随后单击 ® "网络设置 (Network settings)"。



 ® 在打开的网络设置窗口中点击 ® "以太网 (Ethernet)",然后点击 ® "更改适配器选项 (Change adatper options)"。



® 选择需与控制器连接的 ® "局域网连接 (Network Connections)",并单击 ® "属性 (Properties)"。



® 接着选择 ® "Internet Protocal Version4 (TCP/IPv4)" ® "属性 (Properties)"。

verworking Sharing			
Connect using:			
Intel(R) Etheme	et Connection (4) 1219-L	M	
		Confi	gure
This connection uses	the following items:		
VMware Brid	ge Protocol		^
🗹 🟆 File and Print	ter Sharing for Microsoft	Networks	100
QoS Packet	Scheduler		
Internet Prote	ocol Version 4 (TCP/IP)	(4)	
🔲 🔔 Microsoft Ne	twork Adapter Multiplex	or Protocol	
PROFINET I	O protocol (DCP/LLDP)	
Microsoft LL	DP Protocol Driver		~
Microsoft LL	DP Protocol Driver		>
Microsoft LLI	DP Protocol Driver Uninstall	Prope	> v
Microsoft LLI	DP Protocol Driver Uninstall	Prope	> v
Install	DP Protocol Driver Uninstall ol Protocol/Internet Pro	Prope tocol. The de	> verties
Microsoft LLI	DP Protocol Driver Uninstall ol Protocol/Internet Pro protocol that provides of	Prope tocol. The de	> verties
Microsoft LLI Install Description Transmission Contr wide area network across diverse inter	DP Protocol Driver Uninstall ol Protocol/Internet Pro protocol that provides of connected networks.	Prope tocol. The de	> erties efault in

® 现在可使用如下 IP 地址 @ IP 地址 (IP address): 192.168.0.99 并输入以下 ® 子网掩码 (Subnet mask) 255.255.255.0。接着,请应用设置。(® "OK")

Seneral							
You can get IP settings ass this capability. Otherwise, for the appropriate IP setti	igned auton you need to ngs.	natically ask you	if yo r nei	ur r two	net ork a	work s admini	supports strator
Obtain an IP address	automatical	ly					
• Use the following IP a	ddress:						
IP address:		192 .	168		0	. 99	
Subnet mask:		255 .	255	. 2	55	. 0	
Default gateway:						•	
Obtain DNS server ad	dress auton	natically					
Use the following DNS	server add	resses:					
Preferred DNS server:						•	
Alternate DNS server:						×.	
	n exit				'n	Adva	anced

4.3.3 在 CPU 中设置 IP 地址

在对 CPU 进行固件升级之前,请正确设置 SIMATIC S7-1200 的 IP 地址,这样编程设备才能通过 TCP(IP 通信)连接到 CPU 中。可对 SIMATIC S7-1200 的 IP 地址进行如下设置:

® 请双击选择全集成自动化端口。

(® TIA Portal V14)



® 现在单击 ® "在线和诊断 (Online & Diagnostics)"并就此打开 ® "项目视图 (Project view)"。

TIA Siemens		_ ¤ ×
		Totally Integrated Automation PORTAL
Start 🦓		
Devices &	Show all devices	
Motion & technology		
	Accessible devices	
Visualization		
Online & Diagnostics		
	leip	
Project view		

⑧ 在项目导航器中的 ® "在线访问 (Online access)"下选择已提前设置好的网卡。在此处单击 ® "刷新可连接的节点 (Update accesible devices)",即可看到所连接 SIMATIC S7-1200 的 IP 地址(如果已设置)或者 MAC 地址(如果 IP 地址尚未分配)。随后选择 ® "在线和诊断 (Online & Diagnostics)"。



⑧ 在 ⑧ "功能 (Functions)"下可以看到 ⑧ "分配 IP 地址 (Assign IP address)"菜单项。在此处可以输入如下 IP 地址: ⑧ IP 地址 (IP address): 192.168.0.1 ⑧ 子网掩码 (Subnet mask) 255.255.255.0。随后单击 ⑧ "分配 IP 地址 (Assign IP address)",您的 SIMATIC S7-1200 即可获得一个新地址。



B 若未能成功分配 IP 地址,会有一条消息出现在 B "信息 (Message)" B "常用 (General)" 窗
 口中。

			S Pro	perties	1 Info	B Diagnostics	
General	Cross-references	Compile	Energy Suit	e			
	Show all messages	•					
I Message			Go to	?	Date	Time	
😢 🔻 The IP	address could not be assi	gned.	1.55.55	?	5/15/2017	12:14:00 PM	^
😮 The	e set command could not l	be executed.			5/15/2017	12:14:00 PM	
							~

4.3.4 将 CPU 恢复到出厂设置

8 若未能成功分配 IP 地址,必须删除 CPU 上的程序数据。但这需要重置 CPU。为重置控制器,可选择 ® "恢复出厂设置 (Reset to factory settings)"功能,随后选择 ® "删除 IP 地址 (Delete IP addres)"并单击 ® "重置 (Reset)"。

🔁 🗔 Save project 🔳 🐰 🗎 🗎 🗙 🄊	(* ± 🗄 🗓 🖸 🖳 🖉 Goonline 🖉 Gooffline 🏭 🖪 🐨 🛠 🖃 🛄 * PC	DRT
roject tree	(♦ Intel(R) Ethernet Connection (4) I219-LM ♦ plc_1 [192.168.0.1] ♦ CPUcommon [192.168.0.1] 🛁 🖬	T
Devices		
	 Diagnostics Functions Assign IP address Set time Firmware update Assign PROFINET device na Reset to factory settings IP address: IP2. 168.0.1 PROFINET device name: 	
	General Cross-references Compile Energy Suite	
		-
	Show an messages	
Details view	I Message Go to ? Date Time	
1	Scanning for devices completed for interface Intel(R) Ether 5/15/2017 12:12:16 PM	
	The IP address could not be assigned	

® 出现询问是否确实需要重置时,单击 ® "是 (Yes)"确认。





重置 CPU 后,请再次单击 ® "刷新可连接的节点 (Update accesible devices)",现在就可以 看到所连接的 SIMATIC S7-1200 的 MAC 地址了。
请在 ® "在线和诊断 (Online & diagnostics)"下再次选择此位置。随后在 ® "功能 (Functions)" 下选择 ® "分配 IP 地址 (Assign IP address)"菜单项。在此处可以输入如下 IP 地址: IP 地址 (IP address): 192.168.0.1 子网掩码 (Subnet mask) 255.255.255.0。现在单击"分配 IP 地址 (Assign IP address)",您的 SIMATIC S7-1200 即可获得新地址。

iemens	- 0
ect Edit View Insert Online Options Tools Window Help	Totally Integrated Automation
Save project 温 光 垣 道 × りま (*** 値 世 Ⅲ 盟 禄 Ø Goo	nline 🖉 Gooffline 👪 📑 🐨 🗶 🖃 🛄 ' PORTAL
Project tree II 📢(4) I219-LM 🕨 Accessible de	evice [28-63-36-88-FF-DA] → Accessible device [28-63-36-88-FF-DA] 🛛 🗕 🖬 🗮 🗙
Devices	
Diagnostics General Functions Displayhide interfaces Intel(R) Ethernet Connection (4) 1219-LM	Assign IP address Assign IP address to the device Device connected to an enterprise network or directly to the interpret must
Pupdate accessible devices Update accessible device [28-63-36-88-FF-DA] Update diagnostics Intel(R) Dual Band Wireless-AC 8265 Intel(R) Dual Band Wireless	protected against unauthorized access, e.g. by use of firewalls and network For more information about industrial security, please visit http://www.siemens.com/industrialsecurity
Card Reader/USB memory	MAC address: 28 - 63 - 36 - 88 - FF - DA Accessible device IP address: 192 . 168 . 0 . 1 Subnet mask: 255 . 255 . 0 Use router Router address: 0 . 0 . 0 0 Assign IP address Assign a device address to the module
General Cross-reference	Image: Second
🕄 🔔 🕕 Show all messages	▼.
Details view	
! Message	Go to ? Date Time
	No. of Contract of

◎ 参数传输成功后,会有一条消息出现在窗口 ® "信息 (Message)" ® "常用 (General)"中。

				Q Proj	oerties	1 Info	Diagnostics	
General	Cross-references	Compile	Energ	y Suite				
	Show all messages							
1 Message				Go to	2	Date	Time	
1 Scanr	ning for devices completed	for interface Inte	el(R) Ether.		14	5/15/2017	12:19:48 PM	^
📀 The pi	arameters were transferred	successfully.				5/15/2017	12:24:56 PM	
								~

4.3.5 加载 SIEMENS 的固件更新支持页面

您可在 SIEMENS AG 的"工业支持中心"中下载最新的固件升级。

- ® 打开您的网页浏览器,然后输入地址
 - ® support.automation,siemens.com

🖬 Start X +					-		×	
$\leftrightarrow \rightarrow \circ$,∕O Searcl	earch or enter web address				٩	
			support.automation.siemens.com	web search				Î

◎ 选择用户界面语言 ◎ "语言" ◎ "中文"。



 B 进入"搜索产品资料"时需登记 CUP,为此您需要进行一次固件升级。例如: B * S7-1200

 CPU1214C^{*}



® 在"文献筛选标准"下选择"文献类型" ® "下载"并单击选择所列出的 CPU 固件升级条目。

S7/1200 CPU1214C - Dx × + -						
Image: Signature of the support industry signames.com /cs/products?search=57%2F1200%20CPU1214C&dtp=Download: Image: Signature of the support industry signames.com /cs/products?search=57%2F1200%20CPU1214C&dtp=Download: Image: Signature of the support industry signames.com /cs/products?search=57%2F1200%20CPU1214C&dtp=Download: Image: Signature of the support industry signature of the support industry of the s	S7/1200 CPU1214C - De X	+			-	
SIEMENS Industry Online Industry Online Industry Online Industry Online Support Industry Online Support Industry Online Stile Explorer Industry Online Stil	\cdot \rightarrow \mho $ $ $rac{1}{2}$	upport.industry.siemens.com/cs/products?s	earch=S7%2F1200%20CPU1214	C&dtp=Download: 🛄 🕁		\$ ··
> ★★ Industry Online Support International > Language > Contact > Help > Support Request > Site Explorer See > Home > Product Support Product Support # Product Content Support # Product Content Support # Product Support # Product Content Support # Product Support Support # Product Support<	SIEMENS				Industry (Product Suppo	۳ Online (rt
> Home > Product Support	Industry Online Su	ipport International 🕨 Language	▶ Contact ▶ Help ▶ Sup	oport Request	Site Explorer	Search ir
Filter criteria for entries	> Home > Product Support				Product S	upport 🌶 s
All Products _My Products All Products S7/1200 CPU1214C All S7/1200 CPU1214C Date Download (20) Search product Entry type Date Download (20) Search product Search p	Filter criteria for entries					
All S7/1200 CPU1214C Q × Product Entry type Date All Download (20) × > Search product Entries > Search product Entries 20 Entries Filtered by 'S7/1200 CPU1214C' and 'Download' Entries Entries per page: 20 50 100 « < 1 > >» Actions Relevance mySupport Cocl Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI 04/05/2017 Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI 9 Fersonal messages For products: 6ES7214-1BG40-0XB0, 6AG1214-1BG40-4XB0,>All products > CAX downloads DownloadE For products: DownloadE For products: DownloadE > COC//EELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI > CAX downloads Social Estroper underte for CPU 1214C, DC/DC//EELAIS, 14DI/10D0/2AI > CAX downloads	All Products My Produ	cts				
All S7/1200 CPU1214C Q × Product Entry type Date All Download (20) × From To > Search product Download (20) × Entres From To > Search product Entries per page: 20 50 100 ≪ < 1 > >> W Save 20 Entries Filtered by 'S7/1200 CPU1214C' and 'Download' Entries per page: 20 50 100 ≪ < 1 > >> W Save 20 Entries Actions Relevance mySupport Cocl > Favorites >	♣ Product tree					
Product Entry type Date All	All	▼ S7/1200 CPU1214C		Q ×		
Search product Search product Comparison of the CPU 1214C, and 'Download' Entries per page: 20 50 100 « < 1 > » Actions Relevance Source Sour	Product	Entry type Q Download (20)	Date From _ To			
20 Entries Filtered by '\$7/1200 CPU1214C' and 'Download' Entries per page: 20 50 100 « < 1 > » Actions Relevance > Download Firmware update for CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI For products: 6E57214-1BG40-0XB0, 6AG1214-1BG40-4XB0, > All products C Description for the CPU 1214C, DC/DC/RELAIS, 14DI/10D0/2AI C My Products (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI C My Reducts (C My Comparison of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI	> Search product					
20 Entries Filtered by 'S7/1200 CPU1214C' and 'Download' Entries per page: 20 50 100 Actions Actions Relevance Download Firmware update for CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Download Firmware update for CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI CAx downloads CAx downloads CAx downloads My Products (Clipbo 						Save filter
Actions Relevance mySupport Cocl pownload Firmware update for CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI Overview of article num	20 Entries Filtered by 'S7/1200	CPU1214C' and 'Download' Entries per page: 20 50 100	Ĺ	« < 1 > »	_	
> Download Firmware update for CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI 04/05/2017 > Favorites Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10DO/2AI 1D: 107540156 > Personal messages Your products: 6ES7214-1BG40-0XB0, 6AG1214-1BG40-4XB0,+All products > My requests > CAx downloads Download For products: 6ES7214-1BG40-0XB0, 6AG1214-1BG40-4XB0,+All products > My requests > CAx downloads	Actions			Relevance 🔻	mySuppor	t Cockpit
Overview of article numbers and firmware versions of the CPU 1214C, AC/DC/RELAIS, 14DI/10D0/2AI DD. 107540155 > Personal messages Top products: 6E57214-1BG40-0XB0, 6AG1214-1BG40-4XB0, + All products > CAx downloads > CAx downloads Download Einwurze undate for CPU 1214C, DP/IC/REL AIS, Improved 1214-1BG40-0XB0, 6AG1214-1BG40-4XB0, + All products > CAx downloads > CAx downloads	Download Firm	ware update for CPU 1214C, AC/DC/RELAIS	, 14DI/10DO/2AI	04/05/2017	> Favorites	
For products: 6ES7214-1BG40-0XB0, 6AG1214-1BG40-4XB0, + All products > CAx downloads > My Products / Clipbo	Overview of arti 14DI/10DO/2AI	2V1214C - Dc × + C A support.industry.siemens.com/cs/products?search=57%2F1200%20CPU1214C&dtp=Download Image: Support International > Language > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request > Product Support > Contact > Help > Support Request * Product Support > Support Request * Entry type Date Firm		 Personal me My requests 	ssages	
> Ny Products / Clipbo	For products: 6	ES7214-1BG40-0XB0, 6AG1214-1BG40-4XB0,	• All products		> CAx downloa	ads
	Download Firm	ware update for CPU 1214C, DC/DC/RELAIS	, 14DI/10DO/2AI	04/05/2017	> My Products	/ Clipboard
© Siemens AG 2009-2017 - Imprint Privacy policy Cookie policy Terms of use Digital ID	© Siemens AG 2009-2017 - Imprir	nt Privacy policy Cookie policy Terms of use	Digital ID		😬 User onlin	6 (00)

® 随后弹出的窗口中将显示不同的升级选择。请选择推荐的升级以实现高级配置。

S Firm	ware update for CP $ imes$	+					×
\leftarrow	\rightarrow O $ $ A	support.industry.sie	mens.com/cs/document/10753! 🛄 📩	ד ד	1	٩	
	be unable to change the ope to the CPU to be able to chan Overview of article numbers a Note: The software is subject	rating mode of the CPL nge the CPU to RUN m nd firmware versions of to export restrictions, a	to RUN mode. If this situation happens, you must ode. the CPU 1214C, DC/DC/DC, 14DI/10DO/2AI: download is only available to registered users.	cycle power			^
	Article number	Firmware version	Update with				
	6ES7214-1AG40-0XB0	V4.2.1	Third-party software - Licensing terms and ca information You can find the copyright information for third-p software contained in this product, particularly or software, as well as applicable licensing terms of third-party software in the Readme_OSS_V4211 Special information for resellers The information and the license terms in the Readme_OSS_V421 file must be passed on to to purchasing party to avoid license infringements to reseller or purchasing party. Recommended for update: see description Update V4.2.1 ME 6ES7214-1AG40-0XB0_V04.02.01.zip	opyright barty pen source of such file. the by the (9,1 MB)			
		V4.2.0	Backup only: see description Update V4.2.0 ↓ ☑ E 6ES7214-1AG40-0XB0_V04.02.00.zip	(9,1 MB)			
		V4.1.3	Backup only: see description Update V4.1.3 DE ES7214-1AG40-0XB0_V04.01.03.zip	(9,3 MB)			
© :	Siemens AG 2009-2017 - Imp	rint Privacy policy C	cookie policy Terms of use Digital ID				~

® 如果您还没注册,请在以下窗口中进行注册(**®**"是,我现在就要注册"),注册完毕后 – 请 输入您的"登录账号"和"密码"进行登录(**®**"登录")

Firmware-U	Ipdate für CPU 1 S support.indus	try.siemer $ imes$ +		-	-		×
$- \rightarrow$	O A support.industry.sie	emens.com/regpublic/Log	□ ☆	≡ 1	1	٩	
Are you alrea	ady registered?	First time here?					
Login	XXXXX	Register now to use th Internet appearance o	e full range of func f Siemens. For eac	tionality of the	e		
Password	•••••	different applications of	only one registration	i is required!			
1	Forgotten your password/ login?	Yes, I would like to r	egister now				
	Recognition i						
	Login						
Please note: 0	change passwords at regular intervals to rais	se the protection from data theft	·				

® 注册时,请输入必要的信息,选择选项"下载导出受限类软件"并随即保存注册信息。

(® 🔽 ® "保存")

S Firmwa	re update for CF	U 12 S Industry Support Sieme × +	-		×
$\leftarrow \rightarrow$) O (🔒 support.industry.siemens.com/cs/signup?lc=en-US	1	٩	•••
s	IEMENS	A A A A A A A A A A A A A A A A A A A			
				-	I н
•	Industry Online	Support United States ► Contact → Help → Support Reques	t	-	•
> Hon	ne → Register	~			
[User data	Completion			
	General acc	ess data			
	Title *	O Mr. O Mrs/Ms			
	Last Name *				
	First Name *				
	Login *	ĨĨ			
	e-Mail *	1			
© Siem	nens AG 2009-2017	Imprint Privacy policy Cookie policy Terms of use Digital ID			~

Download of export restricted software

Access authorization for the download of export-restricted software Software that is subject to export restrictions may not be made generally accessible. Access authorization to export-restricted software may only be granted to selected, registered users.

Ves, I would like to register for access to export-restricted software

* Mandatory field

Save

嗯 现在,请返回登录界面。登录后,需确认同意导出受限类软件的操作方式。(®
 ☑ 我同意 ®

 "下一步")

S Firmware-Update für CPU 1 S automation.siemens.cor × +	-		×
\leftarrow \rightarrow \circlearrowright \triangle automation.siemens.com/des/checkdownload.aspx?attachmentID=9165: \square \bigstar	= 1	٩	
SIEMENS	Michael Dzi oad of e ted soft	ailas >Lo xport ware	ogout
Industry Support			
Note: The download files under export restrictions are stored on a server in Germany. Therefore, we transmit your request to a German server The authorization process is governed by German law.			
© Siemens AG 2002-2014 - Corporate information Privacy policy Terms of use			
https://www.automation.siemens.com/des/checkdownload.aspx?attachmentID=916535⟨			

® 输入"下载接收人"和"最终接收人"的必要信息。

irmware-Update für CPU 1 S automatic	on.siemens.cor × +								
$ ightarrow$ O $ $ \Box automation.sie	mens.com/des/DataInput.aspx?attachment	ID=91	16535	[□ ☆	=	1	٩	
SIEMENS		J		Dov rest	vnload (tricted s	Michae of exj) Dziallas port are	> Log	ou
Industry Support	•								
1 Data input	m 3 Chark approval			Before do	wnloading, you	u have to	check the	export	
Data input 2 Contin	m 3 Check approval		0	authorizat	uon ioi unis Svi	-			
Product data									
Product data Software name	6ES7214-1AG40-0XB0_V04.02.01.zip								
Product data Software name File name	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip								
Product data Software name File name Export identification code AL	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N								
Product data Software name File name Export identification code AL Export identification code ECCN	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S								
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S • ves	*	ī						
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient identical?	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S	*	11 11						
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient identical?	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S • yes • No	*	ा इ						
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient identical? Download recipient Name	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S	*	<u>।</u> ।						
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient identical? Download recipient Name First name	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S	*	ត ត						
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient identical? Download recipient Name First name Company	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S • yes • No	*	ត ត						
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient identical? Download recipient Name First name Company E-mail	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S	* *	<u>ត</u> ា តា						
Product data Software name File name Export identification code AL Export identification code ECCN Are download recipient and final recipient identical? Download recipient Name First name Company E-mail Ciby	6ES7214-1AG40-0XB0_V04.02.01.zip 6ES7214-1AG40-0XB0_V04.02.01.zip N EAR99S	* *	ត ា តា						

◎ 输入软件使用的必要信息。(⑧"下一步")

Firmware-Update für CPU 1	S automation.siemens.cor × +				-		×
\leftrightarrow \rightarrow O A	automation.siemens.com/des/DataInput.aspx?attachme	ntID=916535	□ ☆	=		٩	
Final recipient Name First name Company Department Street ZIP code City Country							
Declaration for final user Do you or the end user of th	e download operate in a military or arms related area?						
⊖ yes							
O yes	No	*					
Is the download associated technology or unmanned ae	with Nuclear, Biological or Chemical Weapons, launch vehicl rial vehicles?	e					
Oyes	No	*					
Is your company located in a transferred to a free zone or	a free zone or a free warehouse respectively is the download a free warehouse?						
Oyes	• No	*					
* Mandatory fields Cancel	Next						
© Siemens AG 2002-2014 - Corpor	ate information Privacy policy Terms of use						

® 确认您的信息准确无误并接受软件导出协议。(®"下一步")

Fi	rmware-Update für CPU	1 S automation.siemens	s.cor ×	+			-		×
_	ightarrow U A	automation.siemens.com	/des/Data	aConfirm.aspx		=	1	٩	
	Declaration for final use	r f the download operate in a mil	litary or ar	ms related area?					
	⊖ yes	• No	,						
	Do you or the end user o	f the download operate in a nu	clear area	1?					
	⊖ yes	No							
	Is the download associate technology or unmanned	ed with Nuclear, Biological or C aerial vehicles?	Chemical \	Weapons, launch vehicle					
	Oyes	No							
	Is your company located transferred to a free zone	in a free zone or a free wareho or a free warehouse?	ouse respe	ectively is the download					
	◯ yes	No							
	I herby confirm that Download declaration I. If Recipient transfers well as corresponding of delivered by Siemens of applicable national and of such transfer of good export control regulatio Union and of the United <	my data is correct and comp goods (hardware and/ or si documentation, regardless of r works and services (inter- siemens to a third party Re- international (re-) export co ds, works and services Reci ns of the Federal Republic of d States of America.	oftware a of the mo- ding all ki cipient sh ontrol reg ipient sha of Germa	and/ or technology as de of provision) inds of technical all comply with all ulations. In any event all comply with the (re- iny, of the European	~				
	✓ I accept the above n strictly observe the	nentioned export control reg m	ulations a	and commit myself to					
	Back			Next					

® 当您获得导出许可确认后,即可将固件升级保存到您的计算机中。(®"保存至")

S Firmwa	re update fo	r CPU 12	S automatic	on.siemens.cor $ imes$	+				-		×
$\leftarrow \rightarrow$	Ŭ é	6	automation.sier	mens.com/des/Data	aResult.aspx		□ ☆	=	1	٩	
Decl: Do y	aration for fir ou or the end res	nal user I user of t	he download oper	ate in a military or ar No	ms related area?						^
Do y	ou or the end	l user of t	he download oper	ate in a nuclear area	?						
Is th tech	e download a nology or unn	issociateo nanned a	with Nuclear, Bio erial vehicles?	logical or Chemical \	Veapons, launch vel	hicle					
Is you	ves our company l sferred to a fro	located in ee zone c	a free zone or a f r a free warehous	No ree warehouse respe	ectively is the downlo	bad					
0,	es			No							
Chec	k result Print			Export authorizatio	n exists Continue to dov	vnload					h
Wha 6ES7	t do you w 214-1AG40	ant to c)-0XB0_	o with V04.02.01.zip (9.08 MB)?	Save		Save as	Ca	ncel	×	<
From	: support.i	naustry	siemens.com								~

→ × ↑]	> Thi	s PC > Desktop > Downloads	~ Ŭ	Search Downloads	
ganize 👻 Ne	ew folde	r			•
OneDrive	^	Name	Date modified	Туре	Size
This PC	10		No items match your search.		
📄 Desktop					
📔 Documents					
🔈 Downloads					
🚺 Music					
🔚 Pictures					
Videos					
🐛 OS (C:)					
N	~	<			
Network	6ES72	14-1AG40-0XB0_V04.02.01			
File name					
File name Save as type	: Comp	ressed (zipped) Folder			
File name Save as type	: Comp	ressed (zipped) Folder			

® 在您的计算机中选择你所需的存储位置并单击 ® "保存"。

® 现在,在 Windows 资源管理器中点击已下载的压缩包并选择 ® "全部提取"。

III IIII ₹ File Home Share View	Compressed Folder Tools Extract	Downloads		-	
$\leftarrow \rightarrow \checkmark \uparrow$] > This PC > Des	sktop > Downloads		~ U	Search Downloads	م
🖈 Quick access	Name	AG40-0XB0 V04.02.01	Date modified	Type	Size
left ConeDrive		Open Open in new win	dow		
 Desktop Documents Downloads 		Extract All Constraints Extract All E			
 Music Pictures Videos 		Pin to Start Open with			
📞 OS (C:)		Restore previous Send to	versions		
1 item 1 item selected 9.08 MB		Cut Copy			

4.3.6 CPU 的固件升级

现在,可通过如下操作将包含固件升级的文件导入 CPU" SIMATIC S7-1200"中。

② 在项目导航器中的 ⑧ "在线访问 (Online access)"下选择已提前设置好的网卡。在此处单击 ⑧ "刷新可连接的节点 (Update accessible devices)",即可看到所连接 SIMATIC S7-1200 的 IP 地址。选择 ⑧ "在线和诊断 (Online & diagnostic)"。在菜单项"常规 (General)"下,您可 在"诊断 (Diagnostics)"中检测 CPU 的当前固件。

Siemens									- 5
oject Edit View Insert Online Options To	ols Window	Help 🚹 🖳 🙀 🚿 Go online	🖉 Go offline	å? 🖪 🖪 ×] • ^{To}	otally Integrated Au	tomation POR1	TAL
Project tree	thernet Co	onnection (4) I219-LM	Accessible d	levice [192.16	8.0.1] •	CPU comm	ion [192.168.0.1]	- **	i×
Devices									
19 III III III III III III III III III I	Diagnostics General	s (ieneral						*
Online access	Diagnos Diagnos	tic status tics buffer	Module						
Intel(R) Ethernet Connection (4) I219-LM	Cycle tim	ne		nort designation:	CPU 12	14C DC/DC/DC			
Pupdate accessible devices	Memory			Article number:	6ES7 2	14-1AG40-0XB	0		
 Accessible device [192.168.0.1] 	PROFINE Eunctions	Tinterface [X1]		Hardware:	2				
Conline & diagnostics	· runctions			Firmware:	V 4.1.1				
Technology objects		-	Version of the 1	NA Portal project:	-				
Cell PLC data types		-							
Intel(R) Dual Band Wireless-AC 8265	8			B . (1)					
PC internal [Local]				Kack:	0				
TeleService [Automatic protocol detection]					1				
Card Reader/USB memory				8					
			Module inform	nation					
	_			O Dea	Lanu.	ti lafa	Disguastics		~
	Canaral	Cross references	Compile	Energy Cuity	perces	3,000	Diagnostics		
	General	Cross-references	Compile	Energy Suite					_
		Show all messages	•						
✓ Details view	1 Message			Go to	?	Date	Time		
	1 Scan	ning for devices on interfac	e Intel(R) Etherne	t Connect.		5/15/2017	12:42:19 PM		^
	Scani	ning for devices completed	for interface Intel	(R) Ether		5/15/2017	12:42:27 PM		-

TA Siemens		_ 0 _
Project Edit View Insert Online Options Tool	ls Window Help	Totally Integrated Automation
📑 🖪 Save project 🔳 🐰 🗉 🗎 🗙 🏷 ± 🤆	📲 🗄 🛄 🖬 🛄 🔛 🕼 🖉 Go on	ine 🖉 Go offline 🛔 🖪 🕼 🗶 🖃 🛄 '
Project tree 🔲 🖣	Intel(R) Ethernet Connection	(4) I219-LM → Accessible device [192.168.0.1] → CPU common [192.168.0.1] 📃 🖬 🗮 🗙 🤇
Devices		2
	✓ Diagnostics General	> PLC
♥ ♥ ♥	Diagnostic status Diagnostics buffer Cycle time Memory	Online data 8 Article number: 6ES7 214-1AG40-0X80 Firmware: V 4.1.1
Compared and the second s	PROFINET interface [X1] Functions Assign IP address	Name: CPUcommon [192.168.0.1]
Carl Technology objects Carl PLC data types Carl Intel(R) Dual Band Wireless-AC 8265 Carl Crimenal [Local]	Set time Firmware update FLC Local modules Assign PROFINET device na	Slot:
Card Reader/USB memory	Reset to factory settings	Firmware loader
		Firmware version: Suitable for modules with: Article number Firmware version and higher
✓ Details view	<	د الله الله الله الله الله الله الله الل
Portal view Dverview Q O	unline & dia	i Scanning for devices completed for int

® 随后,在您的计算机上选择之前已下载和解压的固件 ® "6ES7 ***-****.upd"并单击 ® "打开"。

- → • ↑ 🚺 « 6ES7214	-1AG40-0XB0_V04.02.01 > FWUPDATE.S7S	5 V	Search FWUPDATE	e.s7s ,o
Organize 👻 New folder				• 🔳 🕜
^ I	Name	Date modified	Туре	Size
* Quick access	6ES7 214-1AG40-0XB0 V04.02.01.upd	5/15/2017 1:02 P	M UPD File	12,836 K
ConeDrive				
This DC				
Desktop				
data				
Gata				
Downloads				
Downloads				
Downloads SCE_DE_011-001.				
Composition Compo				
Downloads SCE_DE_011-001 SCE_EN_011-001				
Downloads SCE_DD_011-001 SCE_EN_011-001 Documents Documents Downloads Music				
Downloads SCE_DE_011-001 SCE_EN_011-001 Documents Documents Music v <				
Downloads SCE_DE_011-001 SCE_EN_011-001 Documents Downloads Music v < File name	6ES7 214-1AG40-0XB0 V04.02.01.upd	~	Firmware files (*.t	upd,*.sem) V

® 随后弹出的对话框将显示您的固件文件是否与您的 CPU 兼容。现在启动升级。(®"启动升级 (Run update)")

MA Siemens		
Project Edit View Insert Online Options Tool	s Window Help	Totally Integrated Automation
Project tree	Intel(R) Ethernet Connection ((4) 1219-LM → Accessible device [192.168.0.1] → CPUcommon [192.168.0.1] = = = ×
Devices	Diagnostics General Diagnostic status Diagnostic status Diagnostic sbuffer Cycle time Memory PROFINET interface [X1] Functions Assign IP address Set time Firmware update PIC Local modules Assign RROFINET device na Reset to factory settings	Firmware loader Firmware version: V4.2.1 Suitable for modules with: Article number Firmware version and higher 6E57 214-1AG40-0XB0 V4.0.0
✓ Details view	(III))) 	Status:
Portal view 🔛 Overview 🖳 O	nline & dia	🔝 и Scanning for devices completed for int

◎ 将通过下列对话框显示升级进程和升级是否成功。最后点击 ⑧ "OK"确认。

Firmware	update
٢	16% completed Update firmware
	Remaining time in minutes: 1
	Cancel
Firmware	update
X	Activate firmware on target Please wait. This process may take a few minutes.
	Cancel
	Y
0	The firmware V 4.2.1 was transferred successfully to module CPU common [192.168.0.1] with article number 6ES7 214-1AG40-0XB0 and activated on the module.

5 更多相关信息

为帮助您进行入门学习或深化学习,您可以找到更多指导信息作为辅助学习手段,例如:入门指南、视频、辅导材料、APP、手册、编程指南及试用版软件/固件,单击链接:

siemens.com/sce/s7-1200

预览"其它信息"

- Getting Started, Videos, Tutorials, Apps, Manuals, Trial-SW/Firmware
 - ↗ TIA Portal Videos
 - TIA Portal Tutorial Center
 - > Getting Started
 - ↗ Programming Guideline
 - Easy Entry in SIMATIC S7-1200
 - > Download Trial Software/Firmware
 - ↗ Technical Documentation SIMATIC Controller
 - ↗ Industry Online Support App
 - TIA Portal, SIMATIC S7-1200/1500 Overview
 - ↗ TIA Portal Website
 - ↗ SIMATIC S7-1200 Website
 - ↗ SIMATIC S7-1500 Website

其它信息

西门子自动化教育合作项目

siemens.com/sce

SCE 学习/培训文档 siemens.com/sce/documents

SCE 培训包 siemens.com/sce/tp

SCE 联系伙伴 siemens.com/sce/contact

数字企业 siemens.com/digital-enterprise

工业 4.0 siemens.com/future-of-manufacturing

全集成自动化 (TIA) siemens.com/tia

TIA Portal siemens.com/tia

SIMATIC 控制器 siemens.com/controller

SIMATIC 技术文档 siemens.com/simatic-doku

工业在线支持 support.industry.siemens.com

产品目录和在线订购系统网上商城 mall.industry.siemens.com

Siemens AG 数字工厂 P.O. Box 4848 90026 Nuremberg Germany

如有改动和错误, 恕不另行通知 © Siemens AG 2018

siemens.com/sce