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# SPEED7 Studio SW V1.9 SP2 HW configuration from M13-CCF0001, 021-1BH00 and 022-1BH00

**Application Note** 

Document Type

#### SPEED7 Studio Software, M13-CCF0001, 021-1BH00, 022-1BH00

Related Products

Date	Version History	Author	Summary of Changes			
20-Mai-2020	Initial	Monastirlis K.				
Restrictions or Applicable Products						
M13-CCF0001, 021-1BH00 and 022-1BH00 can be used with the SPEED7 Studio ver.: V1.9 SP2 or higher						
Related Files						
SPEED7 Studio V1.9 SP2, GSDML file for the Micro-PLC Ver: V107						

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#### 1 Replacement M13-CCF0000 by M13-CCF0001

A backward compatibility is granted. A direct device replacement without adjustments is possible.

#### 2 Differences between M13-CCF0000 and M13-CCF0001

- The Article numbers.
- By M13-CCF0000 the 2 onboard analogue inputs are configurable only as voltage 0...10V.
- By M13-CCF0001 the 2 onboard analogue inputs are configurable as current 4... 20mA or voltage 0...10V.
- By M13-CCF0001 we have increase the internal memory from 64KB to 128KB. It is the maximum possible.

#### 3 Deployment CPU M13-CCF0001

#### 3.1 REQUIREMENTS FOR CPU M13-CCF0001 TO USE

• You need mandatory the SPEED7 Studio Software V1.9 SP2. Following you find the dedicated link for download:

https://www.vipa.com/en/products/software/speed7-studio/download/

PEED7 Studio	
SPEED7 Studio Downl	oad
SPEED7 Studio - 30 days trial version	>New installation
Full installation - Trial V1.9 SP2	
Update installation - for existing inst	allations - Trial Update V1.9 SP2
Release Notes V1.9	J .
Release Notes V1.9 Manual software description V1.9	Existing installation
Release Notes V1.9 Manual software description V1.9 Manual operation list V1.9	Existing installation

• For Simatic Manager or TIA Portal you need to import the GSMDL File V107. Following you find the dedicated link for download:

https://www.vipa.com/en/service-support/downloads/config-files/





#### 3.2 SPEED7 Studio hardware configuration CPU M13-CCF0001

1. Start the SPEED7 Studio software.



2. Create a new project.



3. Use your own project name.

Start:		Vew project				×	
Net	w project	Create new pro	ject	1.			21
🔊 Ор	en project		Project name:	Project01			
🛃 Imp	port project		Project data:	.\SPEED7StudioDB14			
Lange Del	ete projects		Catalogue data.	-13FEED/30000014			
Project:							
1 Pro	ject overview						
Add	d new device				2.		
					🖌 ОК	X Cancel	



4. Add a new device.



5. Add the CPU M13-CCF0001.

Project tree	- 1 × General	14
<ul> <li>Title: Project solution Project 10  </li> <li>Project solution Project 10  </li> <li>Project 01  </li> <li>Project 04  <th>Start poor       Provides and networking *         Add new device         I.       Provide device         Hill       Provide device         Hill       Provide device         Provide device       Provide device         Provid</th><th>Note     Catalog information       Sections     Wands: Core Multi-Sections       Vectore     Vectore       Vectore     2001216       Vectore     2001216       Vectore     Mills-Cersoon       Vectore     Mills-Cersoon</th></li></ul>	Start poor       Provides and networking *         Add new device         I.       Provide device         Hill       Provide device         Hill       Provide device         Provide device       Provide device         Provid	Note     Catalog information       Sections     Wands: Core Multi-Sections       Vectore     Vectore       Vectore     2001216       Vectore     2001216       Vectore     Mills-Cersoon       Vectore     Mills-Cersoon

6. Finished.



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#### 3.3 SPEED7 Studio configuration for 021-1BH00 and 022-1BH00

1. After the hardware configuration from the CPU M13-CCF0001, you find the DI 021-1BH00 and DO 022-1BH00 in the components catalog. Via drag & drop you put it in the slot.





2. Finished.

