

1、ET200MP 有源背板总线模块设备手册第 5 章中，在使用 GSD 文件进行组态时提到了 ET200MP GSDML 文件 V2.34 版本中可以组态有源背板总线 ST 1+12。实际测试在 V2.34 版本的 GSD 文件中，根本没有 IM155-5PN HF V4.4 版本，最高版本 V4.2，所以也无法配置有源背板总线 ST 1+12 模块。

组态软件	
STEP 7 (TIA Portal)	GSD 文件
<ul style="list-style-type: none"> 支持 HSP0318 的 TIA Portal V16 对于有源背板总线 ST 1+12 支持 HSP0334 的 TIA Portal V16 对于有源背板总线 ST 1+8 和有源背板总线 ST 1+4 	<ul style="list-style-type: none"> GSDML V2.34 对于有源背板总线 ST 1+12 GSDML V2.35 对于有源背板总线 ST 1+8 和有源背板总线 ST 1+4

图 1 有源背板总线设备手册中的组态条件

根据 GSDML V2.34 版本日期在有源背板总线和 IM155-5 N HF 的发布日期之前，所以判断 V2.34 中无法组态有源背板总线模块。应该是手册中的说法有错误。

Schema	freigegebene GSDML	veröffentlicht am
V2.34	GSDML-V2.34-Siemens-ET200MP-20190621.xml	31.07.2019
V2.33	GSDML-V2.33-Siemens-ET200MP-20180405.xml	15.05.2018
V2.32	GSDML-V2.32-Siemens-ET200MP-20170505.xml	05.10.2017
V2.31	GSDML-V2.31-Siemens-ET200MP-20160405.xml	15.04.2016
V2.3	GSDML-V2.3-Siemens-ET200MP-20140207.xml	21.02.2014

图 2 ET200MP GSDMLV2.34 版本日期 2019 年 7 月

6ES7590-0BL00-0AA0


SIMATIC S7-1500 act. backplane/ 12 slot

Product details
Technical data
CAx data

SIMATIC S7-1500 / ET 200MP; active backplane bus 12 slots for inserting S7-1500 I/O modules for hot swapping; for use in the ET 200MP with IM 155-5 PN HF (from FW V4.4.1); S7-1500 mounting rail and slot covers to be ordered separately

Contact person for this product

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Product life

Product announcement

03/06/2020

Sales release

03/20/2020

Delivery release

03/27/2020

Announcement of product phase-out

Product cancellation

Product discontinuation

End of product lifecycle

图 3 有源背板总线发布日期 2020 年 3 月

Function extension for ET 200MP, IM 155-5 PN HF, for operation of the active backplane bus

Entry Associated product(s)

An active backplane bus is now available for the I/O modules of the SIMATIC S7-1500 for operation with the ET 200MP and PROFINET. In addition to the reaction-free plugging and unplugging of I/O modules during operation, the bus also allows reserves to be maintained for later use.

Customer benefits

- Increased system availability due to reaction-free plugging and unplugging of I/O modules during operation; if one or more I/O modules are replaced, the system remains in the RUN state
- Keeping reserves (= gaps in the system configuration) ready for later use

You can find additional information on the active backplane bus here: > 109778412, product note, active backplane bus for the I/O modules of the SIMATIC S7-1500 for operation with ET 200MP and PROFINET is now available

Firmware update

In order to use this function, you require the current firmware (FW) V4.4 for the interface module IM 155-5 PN HF (6ES7 155-5AA00-0AC0). This is available from now on for download free of charge: > 93012181

Engineering

Configuration is carried out either by means of HSP0319 for the TIA Portal V16 or by means of a GSDML file.

HSP for the TIA Portal: > 72341852

The GSDML file for PROFINET: > 68189683

Documentation

A description of the S7-1500 system, all modules and functions is provided in the S7-1500 / ET 200MP Manual Collection: > 86140384

图 4 IM155-5 PN HF 发布支持有源背板总线日期 2020 年 4 月

2、使用 V2.35 版本 GSDML 组态有源背板总线的方法：在插槽 0 上“插入”有源背板总线。

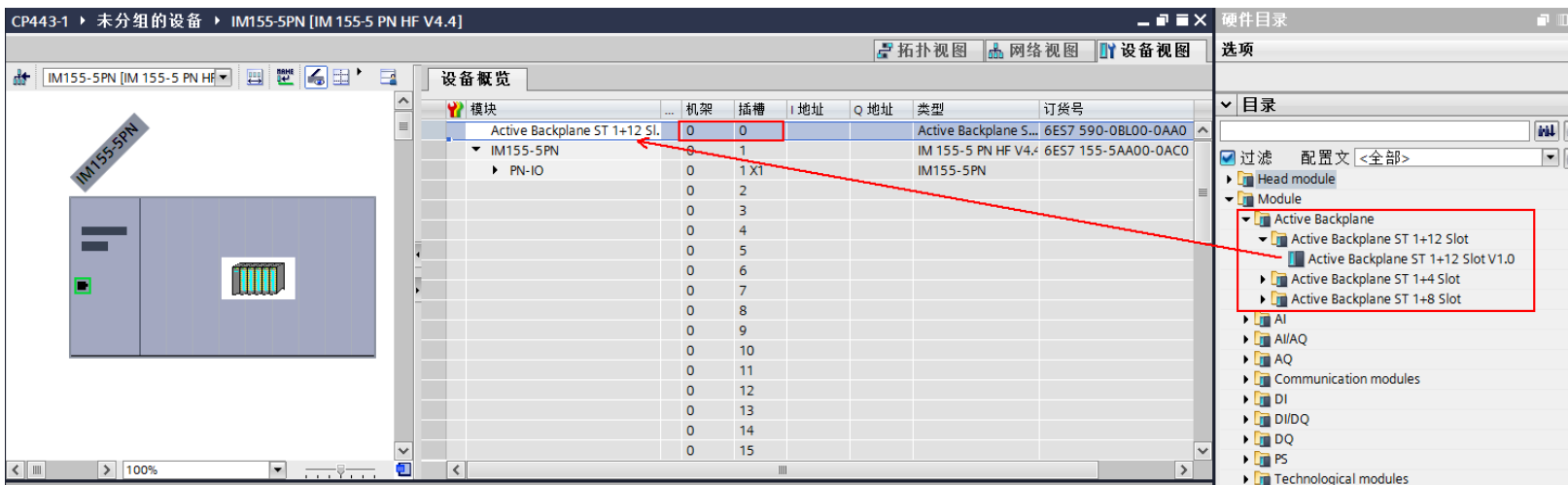


图 5 组态有源背板总线