

INTELLIGENT FORMAT CHANGE

Flexibly combine the modules of the new SeGMo-Box and match them to your machine

In modern packaging machines, positioning systems ensure efficient and reproducible format changes. The modular SeGMo-Box is the optimal platform for the automation of secondary axes. The central CPU module in the box manages up to 17 SeGMO positioning drives using plug-in PORT modules. The two housing variants offer four or nine slots that you can populate as required. If these are not enough, a modular SeGMo-Box can be extended using COM modules to provide up to 17 ports.

- › Includes the CPU, COM and PORT modules you need for automated positioning.
- › Supports all standard Ethernet interfaces
- › Makes it possible to group and shut down positioning drives collectively, for example in parts of plants.
- › As an intelligent subsystem, reduces the load on your machine's communication network and optimises the flow of data.
- › With the aid of the optional web server, permits configuration and condition monitoring quasi remotely.

Our SeGMo-System is not only flexible, it also pays for itself in a very short time.

Talk to us, we would be pleased to show you how quickly you could save the investment costs.

THE MODULE CONCEPT

The modular SeGMo-Box has 4 or 9 slots that can be populated as required with PORT or COM modules:

- › CPU module
Central control module that controls the drives and provides communication with the PLC using all standard interfaces.
- › PORT module
Connects a positioning drive via the hybrid cable SeGMo-Connect
- › COM module
For grouping several boxes as necessary in plants with distributed structures

Module combinations

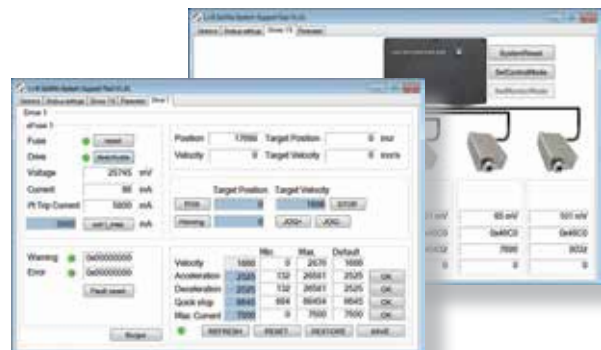
Box variants	CPU	Positioning drives	COM
1× 5-slot	1	Max. 4	-
2× 5-slot	1	Max. 7	2
1× 10-slot	1	Max. 9	-
3× 5-slot	1	Max. 10	4
1× 10-slot + 1× 5-slot	1	Max. 12	2
1× 10-slot + 2× 5-slot	1	Max. 15	4
2× 10-slot	1	Max. 17	2

Convenient configuration

With the aid of the support tool, the entire SeGMo-System can be configured even without connection to the PLC. For this purpose all that is required is a USB connection to a PC and the latest .Net Framework. The application itself does not require extensive software installation.

A web server is even more convenient. In this way you can access all the data for the modular SeGMo-System and thus obtain a complete system overview. Furthermore, you can configure all drives conveniently and use the data provided for diagnostics if there is a malfunction.

SeGMo-Support Tool optionally via web server



Dependable power management

The power management integrated into the control module monitors the motor power in the positioning drives connected. Power is supplied separately to each motor on the related PORT module. If necessary, you can group several modules here. On the other hand, the logic is supplied centrally via the CPU module.

Perfect communication

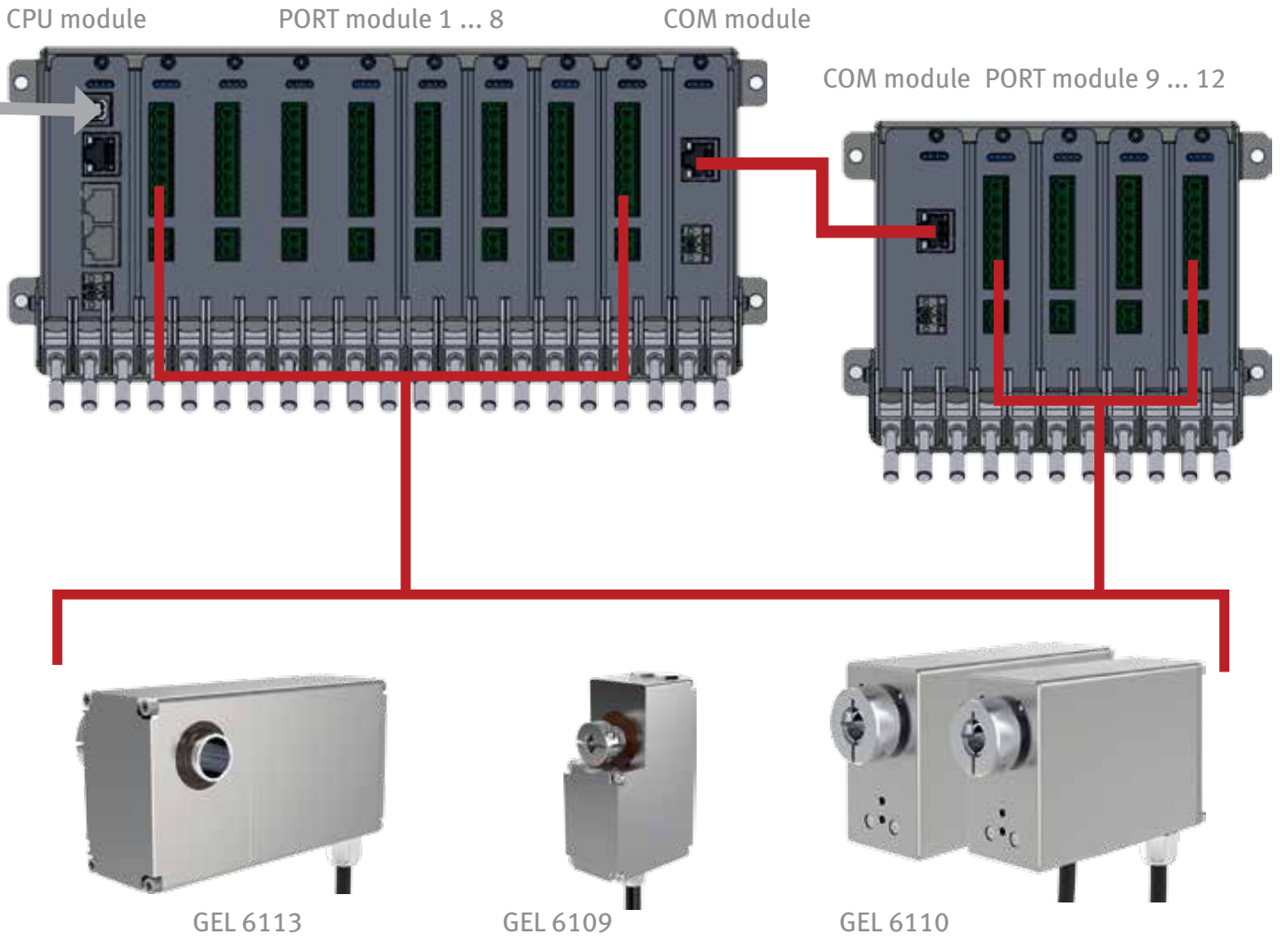
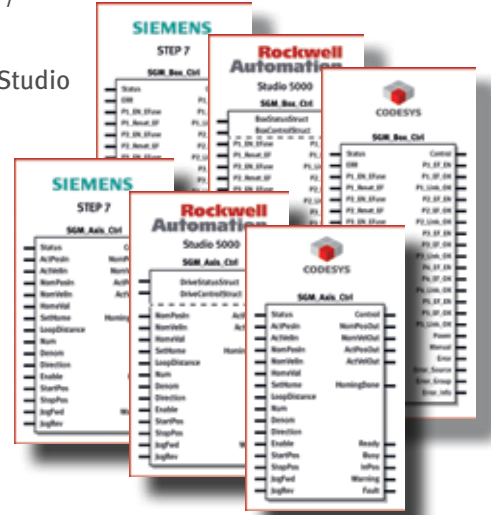
The CPU module exchanges all relevant data with the machine control system via Ethernet in real time. Using our library of function blocks, you can integrate the drives into the machine control system without laborious in-house programming.



Straightforward integration

Comprehensive function block library
SeGMo-Lib for:

- › TIA-Portal / Step 7 / SCOUT
- › CODESYS 3.x / SoMachine V4
- › Studio 5000 / RSLogix
- › Automation Studio
- › TwinCAT





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