

How to

install more then 8 System 300V modules in one line with Simatic Manager from Siemens

1. Start the Simatic Manager from Siemens and open a new project.
2. Insert a 300 Station
3. Open the hardware configurator and there the catalog.
4. Insert two 300 Racks and the CPU 315-2DP (6ES7 315-2AF01-0AB0).
5. In Rack 1 Slot 3 insert an IM360 (or IM365), in Rack 2 Slot 3 insert an IM361 (or IM365).
6. Now you can insert up to 8 I/O-cards in Rack 1 and Rack 2. You can have up to 4 racks with each 8 IO-cards.
7. This multiple racks are only necessary for configuration. In the real hardware you can have this racks and the IMs, but with a VIPA-PLC it not necessary to have the IMs. This means, you can have all the modules in one line.

Slot	Module	Order number	Firmware	MPI address	I address	Q address	Comment
1							
2	CPU 315-2 DP	6ES7 315-2AF01-0AB0		2			
X2	DP				1023*		
3	IM 360	6ES7 360-3AA01-0AA0			2000		
4	DI16xDC24V	6ES7 321-1BH01-0AA0			0...1		
5	DI16xDC24V	6ES7 321-1BH01-0AA0			4...5		
6	DI16xDC24V	6ES7 321-1BH01-0AA0			8...9		
7	DI16xDC24V	6ES7 321-1BH01-0AA0			12...13		
8	DO16xDC24V/0.5A	6ES7 322-1BH00-0AA0				16...17	
9	DO16xDC24V/0.5A	6ES7 322-1BH00-0AA0				20...21	
10	DO16xDC24V/0.5A	6ES7 322-1BH00-0AA0				24...25	
11	DO16xDC24V/0.5A	6ES7 322-1BH00-0AA0				28...29	

Example hardware configuration with two racks and "virtual" IMs