

GUIDA ALLA CONNESSIONE E SETTAGGIO HMI/PLC

Comunicazione tra HMI Kite e PLC Siemens S7-300



HMI COM Connection (DB9 Male)	PIN		PIN	PLC (S7-300 MPI) COM Connection (DB9 Male)
RS485 +	1	↔	3	RS485 +
GND	5	↔	5	GND
RS485 -	6	↔	8	RS485 -

Note:

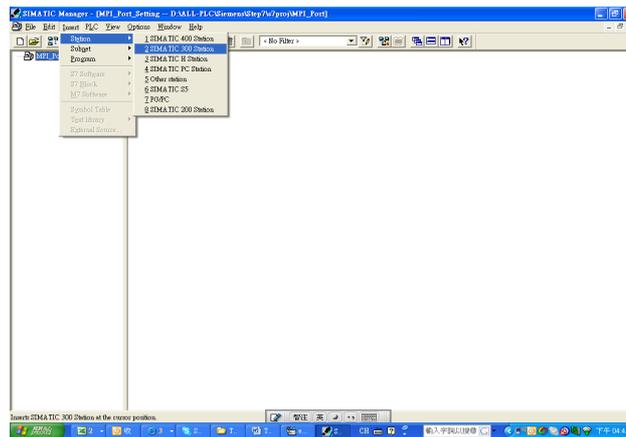
Non settare il nodo "0" o "1" per HMI e PLC.

Nodo "0": reserve for PC / WinCC

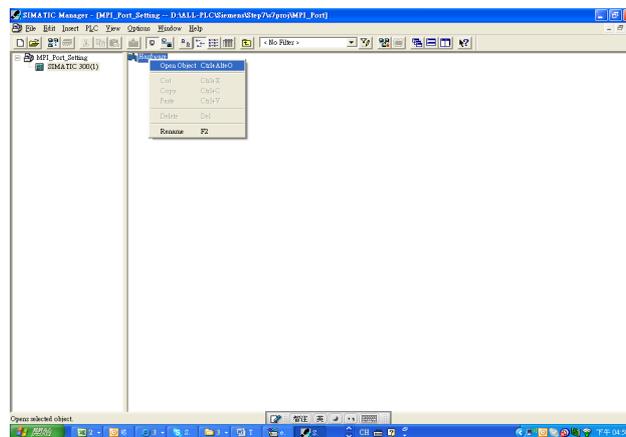
Nodo "1": Step7 Software

Configurazioni PLC Siemens S7-300 MPI

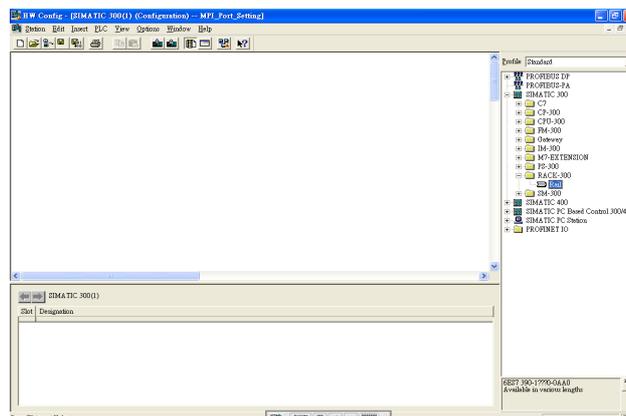
1. Creare un nuovo progetto dal programma Siemens STEP7, nuova stazione S7-300.

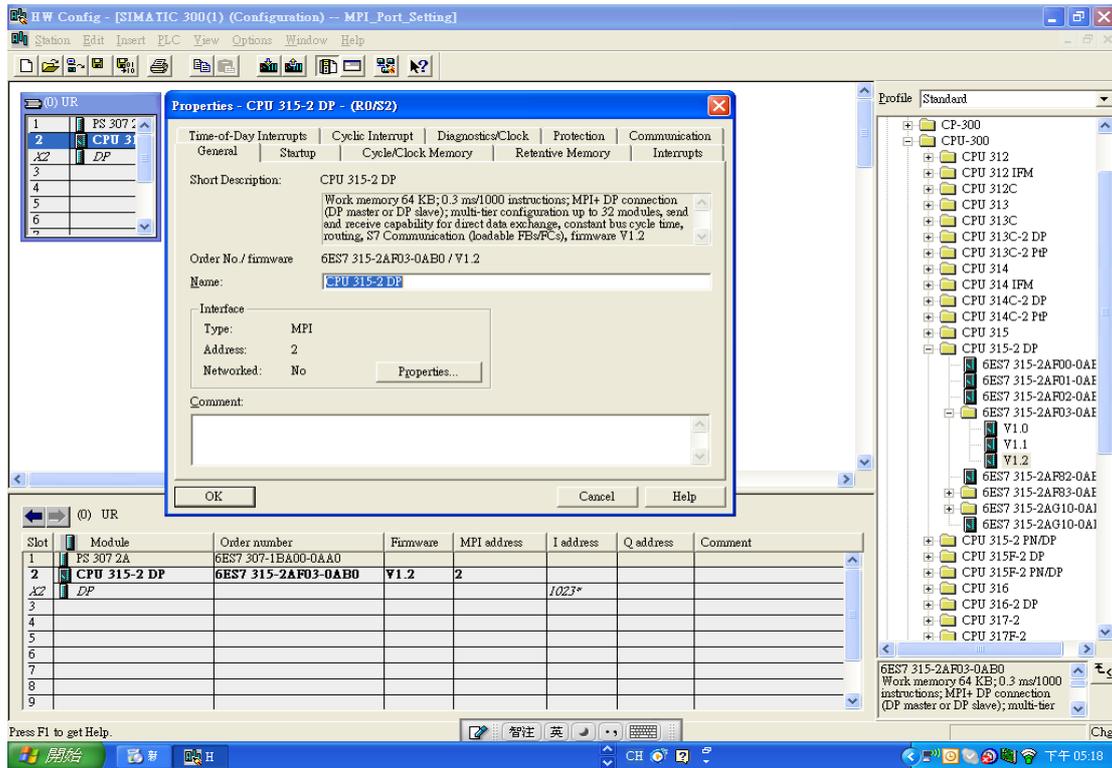


2. Entrare nelle opzioni Hardware.

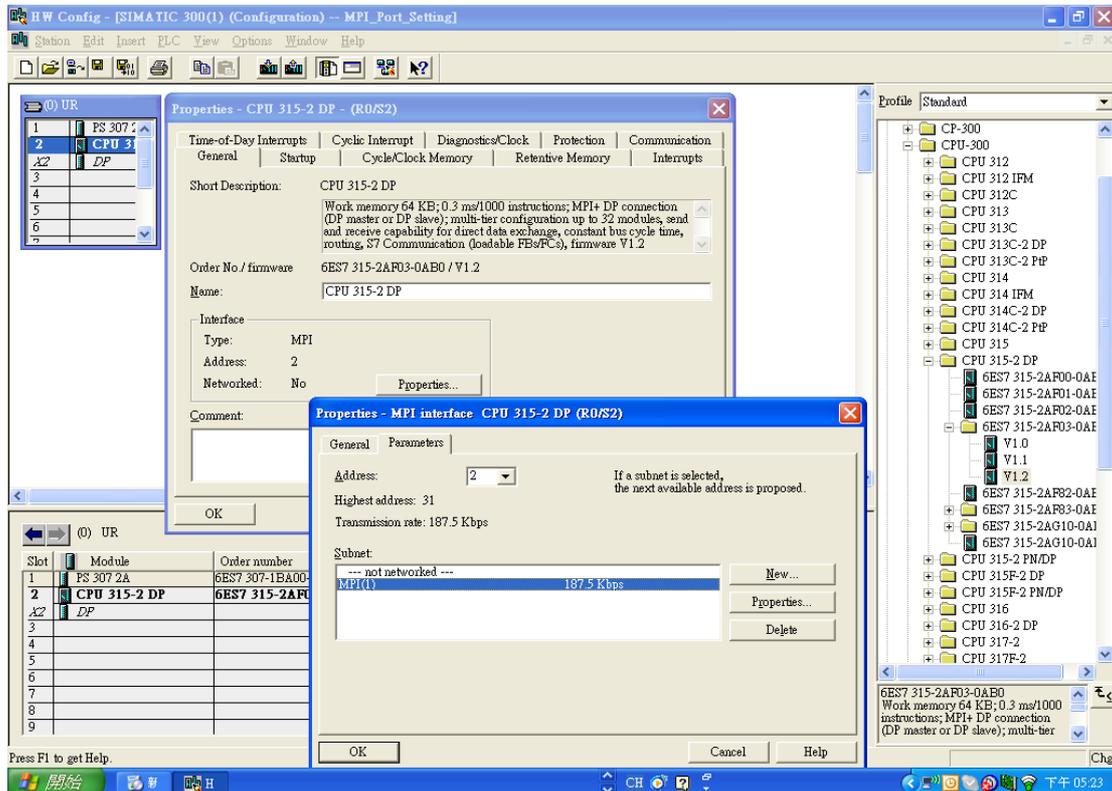


3. Inserire il "Rail" dalle opzioni RACK



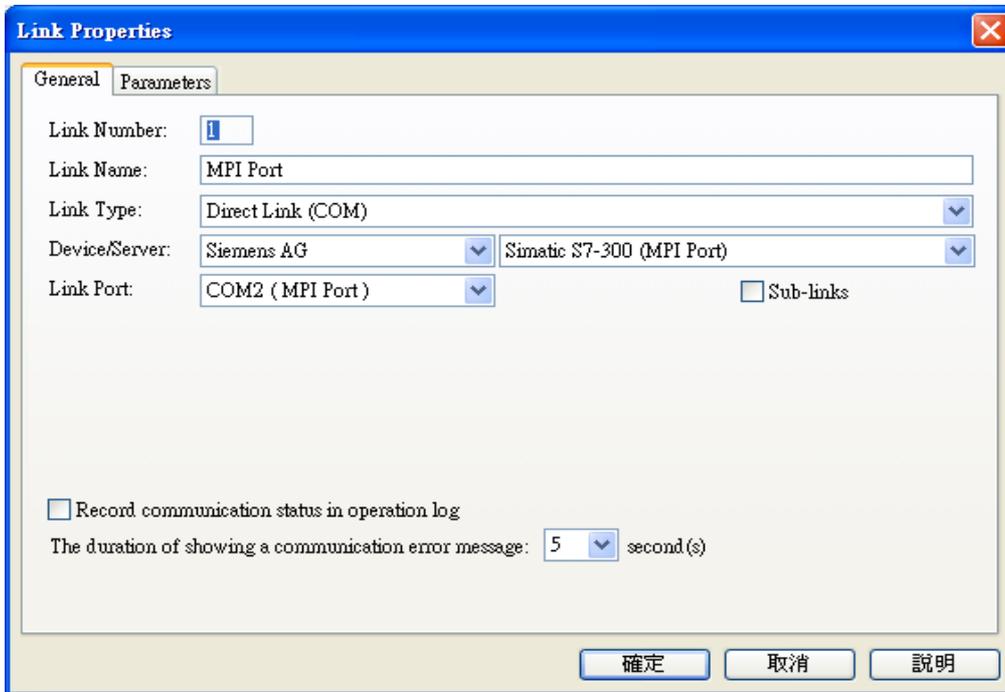


Inserire un'unità CPU nello Slot2, entrare nelle proprietà della finestra.
Sotto la finestra delle proprietà della CPU si trova il baudrate standard di trasmissione 187.5 Kbps (consigliato per la comunicazione con gli HMI Kite)



Configurazioni HMI

1. Selezionare il **Link Type**: Direct Link (COM) e il **Device/Server**: Siemens AG – Simatic S7-300 (MPI Port)



Link Properties

General Parameters

Link Number: 1

Link Name: MPI Port

Link Type: Direct Link (COM)

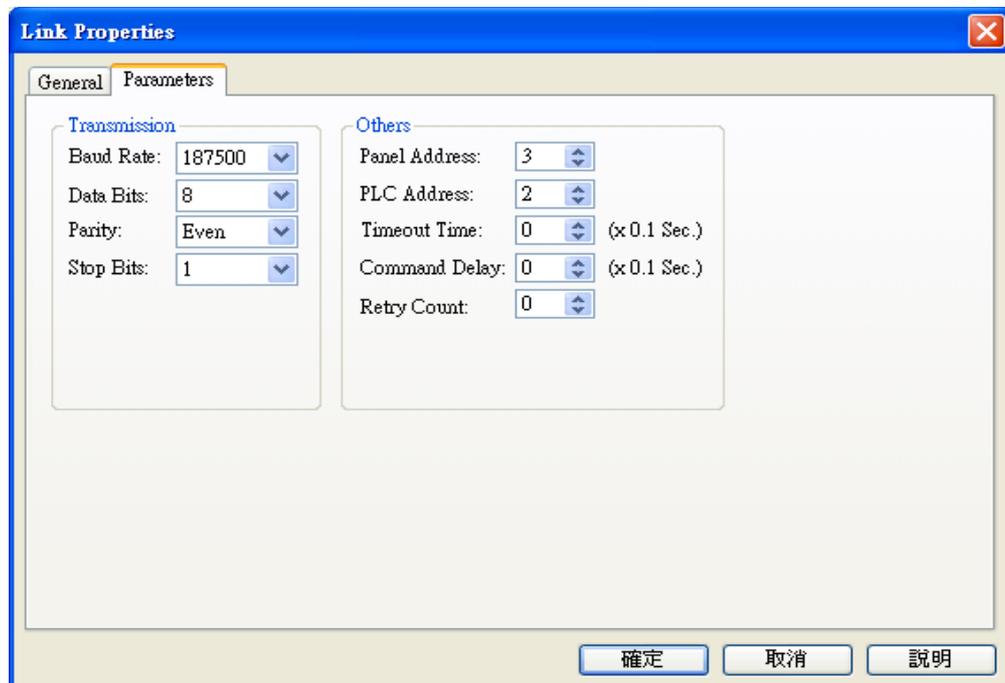
Device/Server: Siemens AG Simatic S7-300 (MPI Port)

Link Port: COM2 (MPI Port) Sub-links

Record communication status in operation log

The duration of showing a communication error message: 5 second(s)

確定 取消 説明



Link Properties

General Parameters

Transmission

Baud Rate: 187500

Data Bits: 8

Parity: Even

Stop Bits: 1

Others

Panel Address: 3

PLC Address: 2

Timeout Time: 0 (x 0.1 Sec.)

Command Delay: 0 (x 0.1 Sec.)

Retry Count: 0

確定 取消 説明

Settare i parametri di comunicazione identici a quelli configurati sul PLC.

Indirizzamento disponibile per il PLC Siemens S7-300

Bit Devices:

Bit Device	Address Range	Block Address	Comment
DBm.DBXn.b	m: 1~255; n: 0~65535; b: 0~7	b=0	DBm.DBXn.b
DBXn.b	n: 0~65535; b: 0~7	b=0	
In.b	n: 0~65535; b: 0~7	b=0	
Mn.b	n: 0~65535; b: 0~7	b=0	
Qn.b	n: 0~65535; b: 0~7	b=0	
Vn.b	n: 0~65535; b: 0~7	b=0	

Address Input Keypad

Link: Siemens

Type: Bit Word Bit Of Word

2 : DBX 0.0

C	A	1	2	3	CLR
D	B	4	5	6	BS
E	:	7	8	9	ESC
F	/	.	0	ENT	

Word Devices:

Word Device	Address Range	Size	Comment
Cn	n: 0~65534	Word	
DBm.DBn	m: 1~255; n: 0~65532; n=4q	32 bits	DBm.DBn
DBm.DBWn	m: 1~255; n: 0~65534; n=2q	Word	DBm.DBWn
DBDn	n: 0~65532; n=4q	32 bits	
DBWn	n: 0~65534; n=2q	Word	
IDn	n: 0~65532; n=4q	32 bits	
IWn	n: 0~65534; n=2q	Word	
MDn	n: 0~65532; n=4q	32 bits	
MWn	n: 0~65534; n=2q	Word	
QDn	n: 0~65532; n=4q	32 bits	
QWn	n: 0~65534; n=2q	Word	
Tn	n: 0~65534	Word	
VDn	n: 0~65532; n=4q	32 bits	
VWn	n: 0~65534; n=2q	Word	

Close

Address Input Keypad

Link: Siemens

Type: Bit Word Bit Of Word

2 : DB 1.DBW0

C	A	1	2	3	CLR
D	B	4	5	6	BS
E	:	7	8	9	ESC
F	/	.	0	ENT	