

# GUIDA ALLA CONNESSIONE E SETTAGGIO HMI/PLC

Comunicazione tra HMI Kite e PLC Siemens S7-200



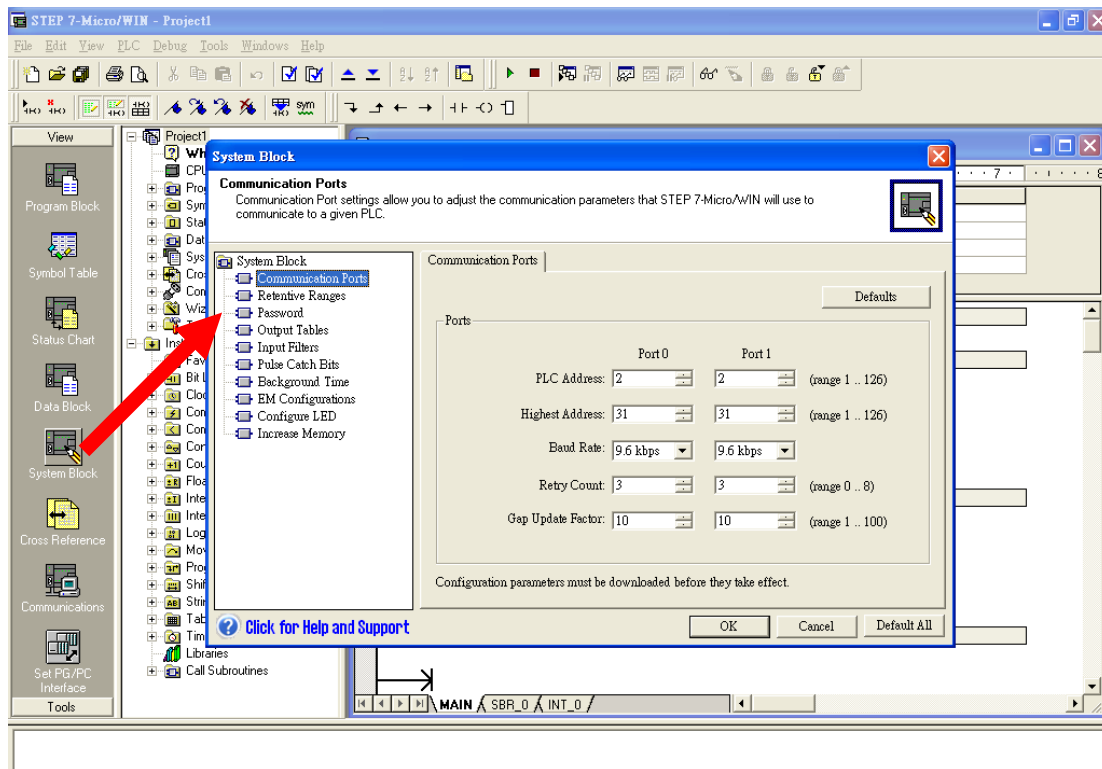
HMI COM Connection (DB9 Male)	PIN		PIN	PLC (RS485) COM Connection (PPI Port 9 Male)
485+	1	↔	3	485+
485-	6	↔	8	485-
SG	5	↔	5	SG

## Configurazioni PLC Siemens S7-200 PPI

1) Eseguire il software "STEP 7 MicroWIN" per il collegamento con il PLC S7-200 tramite cavo PPI .

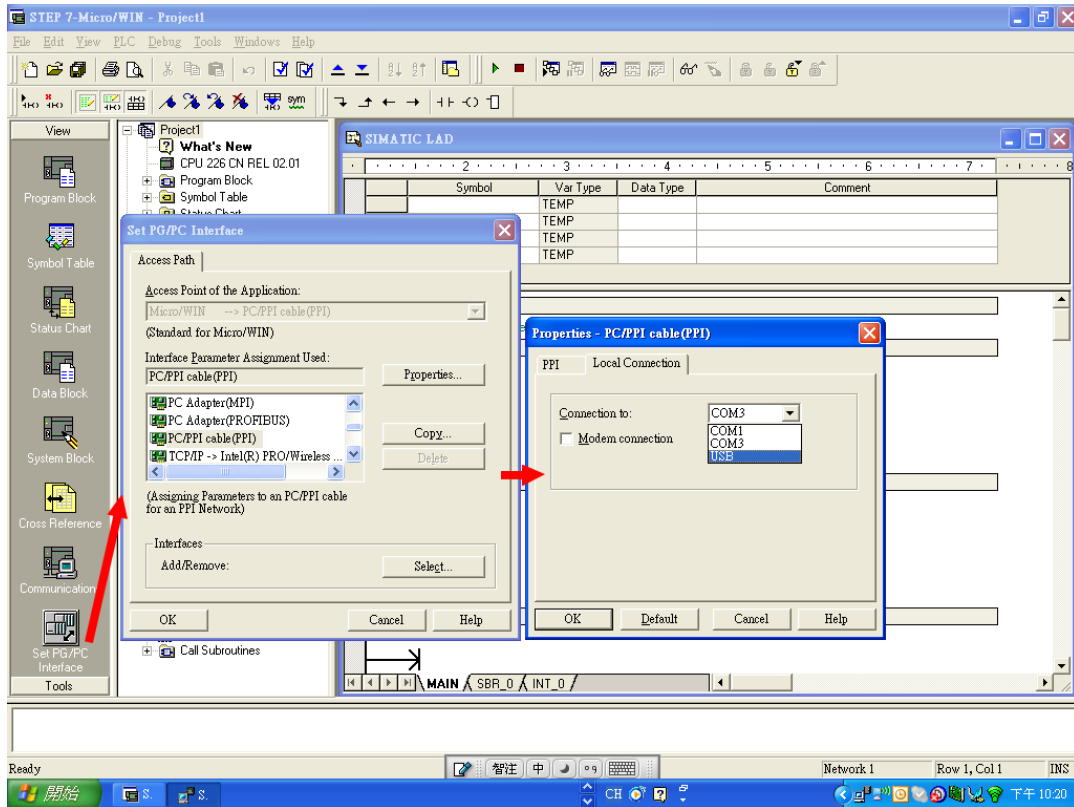


Creare un nuovo progetto e selezionare "System block" per impostare il formato di comunicazione della CPU.

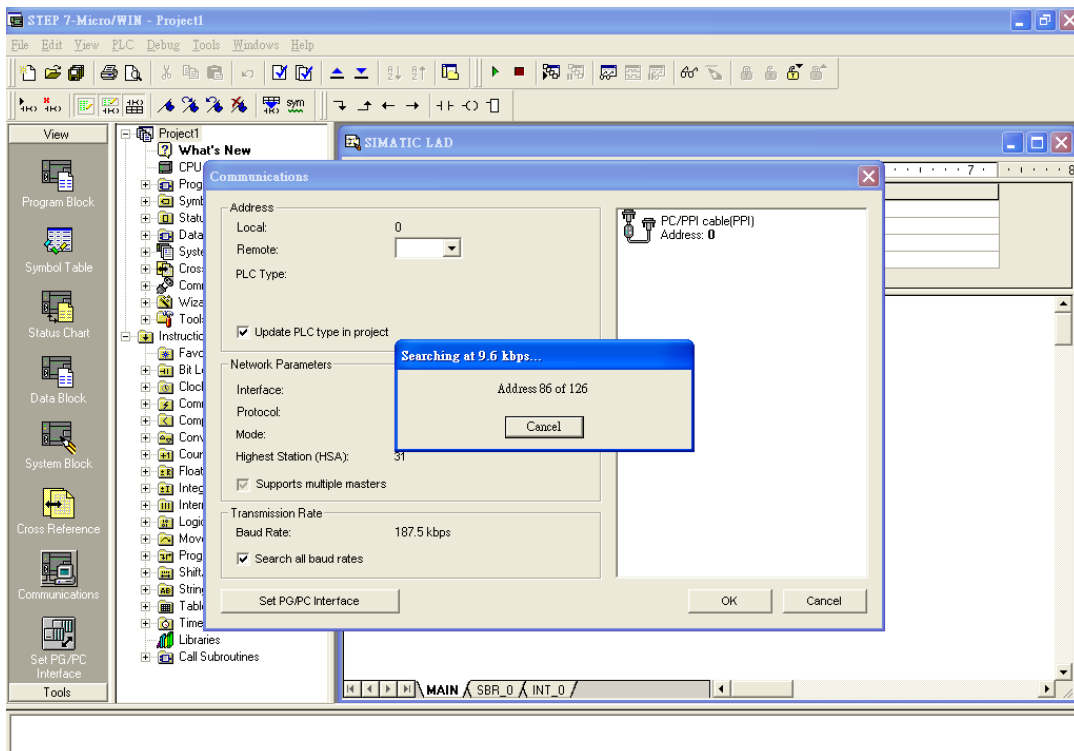


Formato di comunicazione standard: 9600, 8, Pari, 1. Nodo PLC: 2

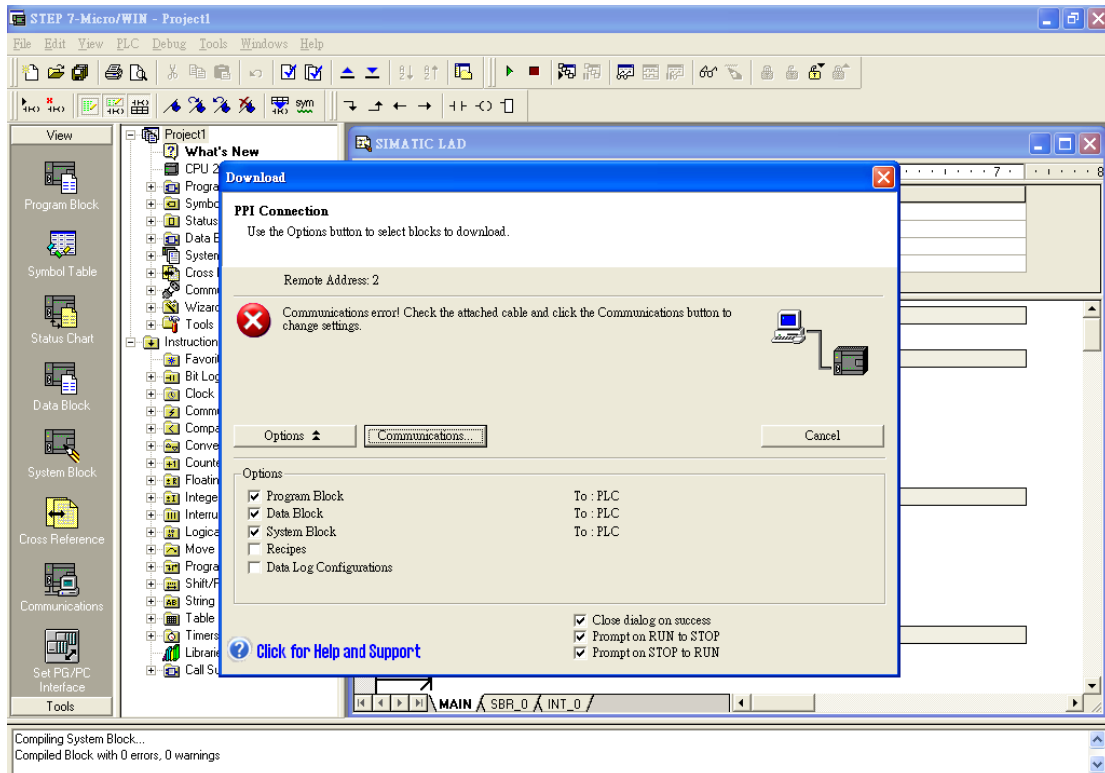
Eseguire "set PG / PC Interfaace" --- "cable PC / PPI ( PPI )" per selezionare la porta di comunicazione corretta lato PC .



Eseguire l'opzione "Communication", per trovare il PLC automaticamente

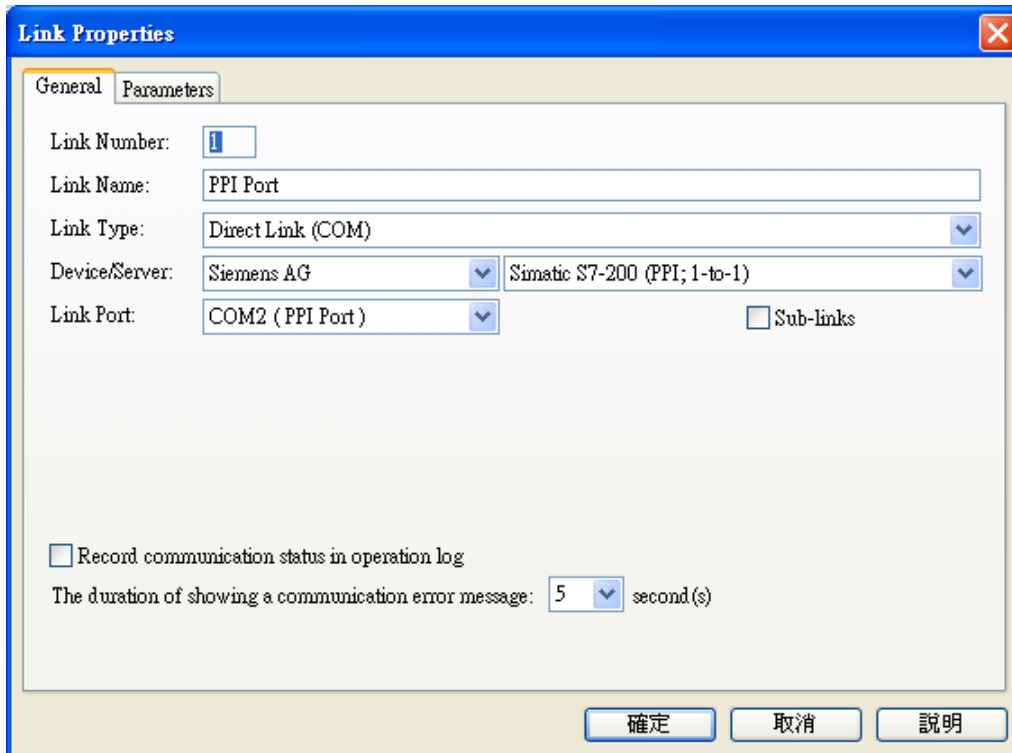


Se la porta di comunicazione è corretta è possibile eseguire la funzione di download/upload per cambiare il nodo/baudrate del PLC.



## Configurazioni HMI

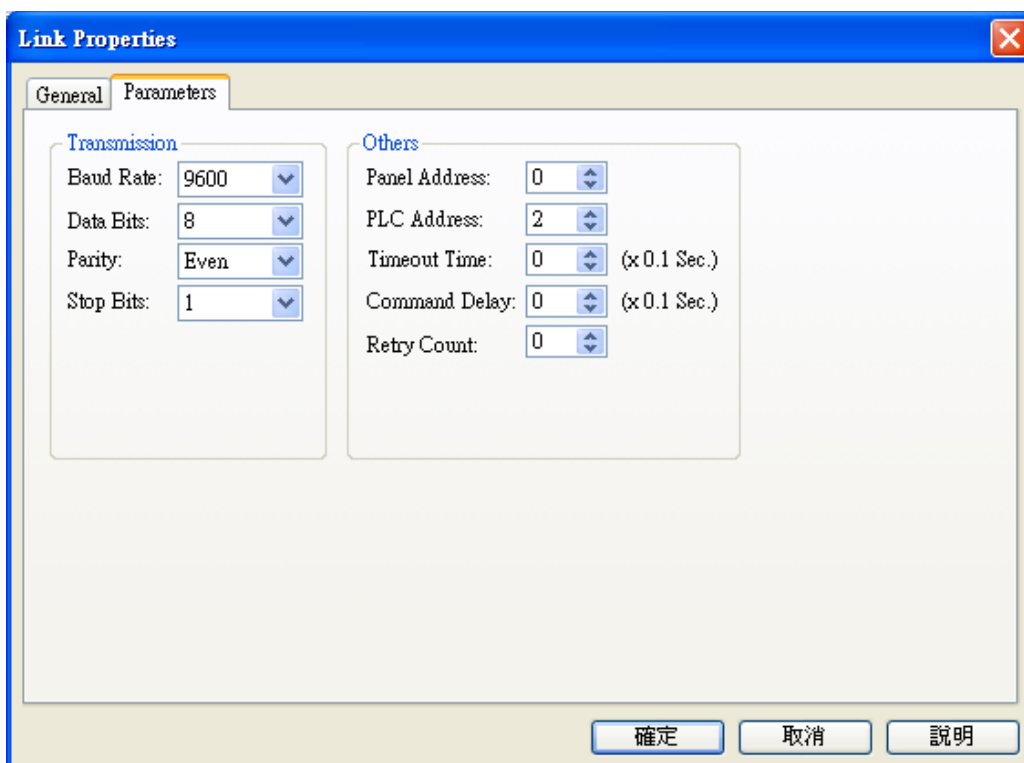
1. Selezionare il **Link Type**: Direct Link (COM) e il **Device/Server**: Siemens AG – Simatic S7-200 (PPI Port)



The screenshot shows the 'Link Properties' dialog box with the 'General' tab selected. The fields are configured as follows:

- Link Number: 1
- Link Name: PPI Port
- Link Type: Direct Link (COM)
- Device/Server: Siemens AG (dropdown) and Simatic S7-200 (PPI; 1-to-1) (dropdown)
- Link Port: COM2 (PPI Port) (dropdown) and  Sub-links
- Record communication status in operation log
- The duration of showing a communication error message: 5 second(s)

Buttons at the bottom: 確定 (OK), 取消 (Cancel), 説明 (Help).



The screenshot shows the 'Link Properties' dialog box with the 'Parameters' tab selected. The fields are configured as follows:

- Transmission**
  - Baud Rate: 9600
  - Data Bits: 8
  - Parity: Even
  - Stop Bits: 1
- Others**
  - Panel Address: 0
  - PLC Address: 2
  - Timeout Time: 0 (x 0.1 Sec.)
  - Command Delay: 0 (x 0.1 Sec.)
  - Retry Count: 0

Buttons at the bottom: 確定 (OK), 取消 (Cancel), 説明 (Help).



## Indirizzamento disponibile per il PLC Siemens S7-300

### Bit Devices:

Bit Device	Address Range	Block Address	Comment
Cn	n: 0~255	Any address	
In.b	n: 0~15; b: 0~7	b=0	
Mn.b	n: 0~99; b: 0~7	b=0	
Qn.b	n: 0~15; b: 0~7	b=0	
Sn.b	n: 0~99; b: 0~7	b=0	
SMn.b	n: 0~199; b: 0~7	b=0	
Tn	n: 0~255	Any address	
Vn.b	n: 0~9999; b: 0~7	b=0	

Close

### Word Devices:

Word Device	Address Range	Size	Comment
AIWn	n: 0~30; n=2q	Word	
AQWn	n: 0~30; n=2q	Word	
Cn	n: 0~255	Word	
DBWn	n: 0~9998; n=2q	Word	
IDn	n: 0~12; n=4q	32 bits	
IWn	n: 0~14; n=2q	Word	
MDn	n: 0~96; n=4q	32 bits	
MWn	n: 0~98; n=2q	Word	
QDn	n: 0~12; n=4q	32 bits	
QWn	n: 0~14; n=2q	Word	
SDn	n: 0~96; n=4q	32 bits	
SMDn	n: 0~196; n=4q	32 bits	
SMWn	n: 0~198; n=2q	Word	
SWn	n: 0~98; n=2q	Word	
Tn	n: 0~255	Word	
VDn	n: 0~9996; n=4q	32 bits	
VWn	n: 0~9998; n=2q	Word	

Close