

Appendix. Getting Started

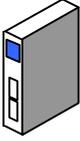
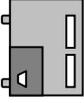
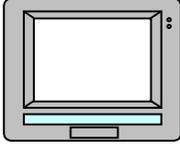
D. Siemens S5/S7 Series

1. S5/S7 Serial Interface

- Communication with Siemens S5/S7 Link Unit and PMU hardware using serial interface.

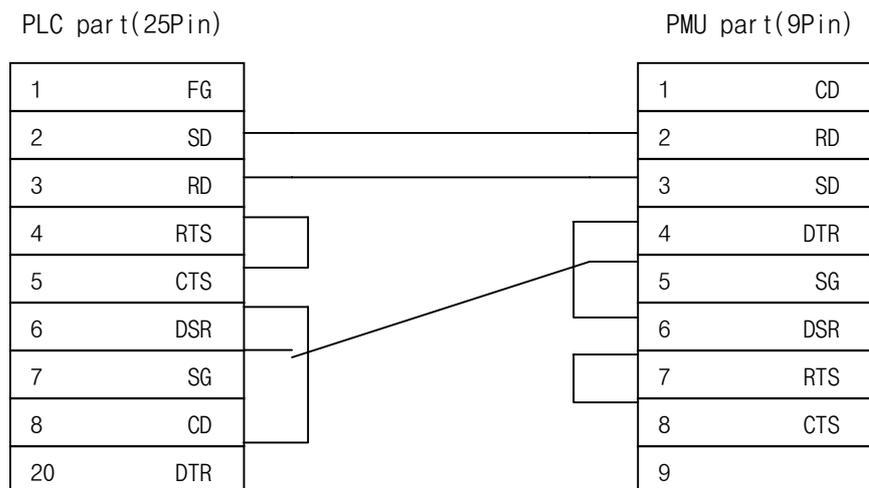
1-1. System Configuration

(Using 3964R protocol)

PLC	Interface Unit	Cable	Option Card	PMU
				
S5 90U S5 95U S5 100U S5 115U S5 135U S5 155U S7-300	CP525 CP340	Refer to Cable Connection (RS-232C)	PM0-500/600S PM0-300S PM0-200S	PMU-500/600 PMU-300 PMU-200

1-2. Cable Connection

(1) RS-232C connection (CP525 ↔ PMU series)

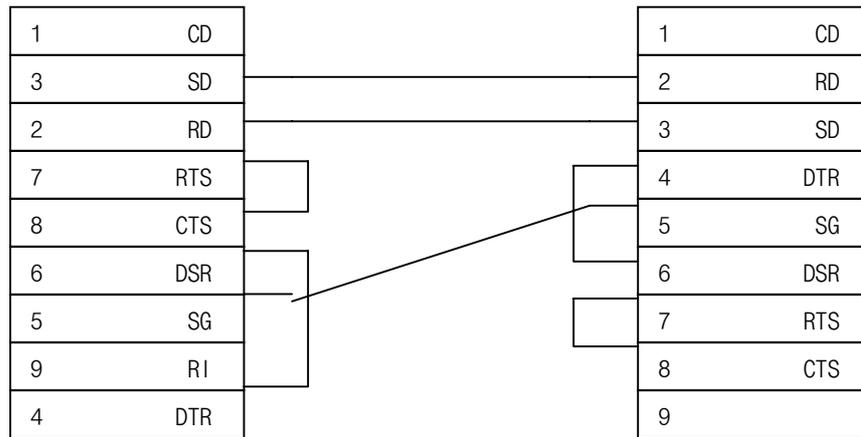


(2) RS-232C connection (CP340 ↔ PMU series)

PLC part(9Pin)

PMU part(9Pin)

Appendix. Getting Started



1-3. CP525/CP340 Setup

PLC part setup	
Baud rate	110 bps ~ 19200 bps
Data length	8 bit
Stop bit	1 bit
Parity bit	EVEN
Error Detection	BCC(SUM)

1-4. PMU Setup

(1) Link Setup

- ① Select “Serial Link” in Link Editor and select “S5-3964R(Link)” in “Siemens Series



- ② Setup the buffer No. of PMU with device of PLC
(Usable PLC address : Please refer to Chapter 10-2 address table)
- ③ Transfer the link file to PMU with other files.

(2) Serial setup

Recommended setup as follows;

Appendix. Getting Started

Baud rate : 19200 bps
Data length : 8bit
Stop bit length : 1bit
Parity bit: EVEN
Signal level : RS-232C
Station No. : None

1-5. PLC Address table

Device	Word address
Input relay	IW000 ~ IW126
Output relay	QW000 ~ QW126
Internal relay	FW000 ~ FW254
Timer	T000 ~ T255
Counter	C000 ~ C255
Data register *1	D002:000 ~ D255:255
Expanded Data register *1	X002:000 ~ X255:255



Note

*1 : Data register and expanded Data register is described as follows

D002:000

└─── Data Word(DW) No. 000~255

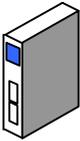
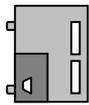
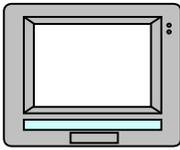
└─── Data Block(DB) No. 000~255

Expanded Data register is available for only S5 135U/155U.

2. S7-300 (Using MPI Port of CPU)

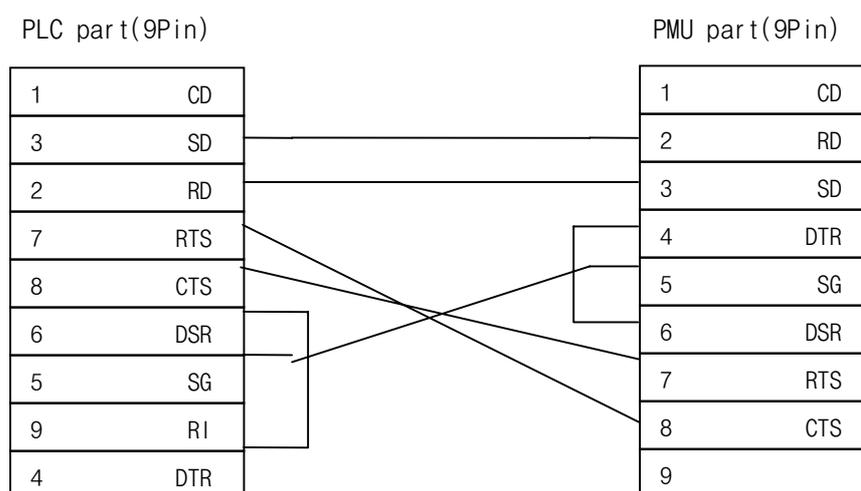
- Communication with Siemens S7-300 through PC adapter and PMU hardware using serial interface

2-1. System Configuration

PLC	Interface Unit	Cable	Option Card	PMU
				
CPU3121FM CPU313 CPU314 CPU315 CPU315-2DP	PC Adapter	Refer to cable connection (RS-232C)	PM0-500/600S PM0-300S PM0-200S	PMU-500/600 PMU-300 PMU-200

2-2. Cable connection

(1) RS-232C connection (PC Adapter ↔ PMU series)



Appendix. Getting Started

2-3. S7-300 CPU Setup

PLC part setup	
Baud rate	19200 ~ 38400 bps
Data length	8 bit
Stop bit	1 bit
Parity bit	ODD
Error Detection	BCC(SUM)

2-4. PMU Setup

(1) Link setup

- ① Select “Serial link” in Link Editor and select “S7-MPI(Loader)” in Siemens PLC



- ③ Setup the buffer No. of PMU with device of PLC
(Usable PLC address : Please refer to Chapter 10-4 address table)
- ③ Transfer the link file to PMU with other files.

(2) Serial Setup

Recommended setup as follows;

Baud rate : 38400 bps

Data length : 8bit

Stop bit length : 1bit

Parity bit : ODD

Signal level : RS-232C

Station No. : None

2-5. PLC Address Table

Device	Word address
Input relay	EW000 ~ EW126
Output relay	AW000 ~ AW126
Internal relay	MW000 ~ MW254
Timer	T000 ~ T127
Counter	Z000 ~ Z63
Data register *1	DB01.000 ~ DB60.65534



Note

*1 : Data register and expanded Data register is described as follows

DB002.000

└── Data Word(DW) No. 000~65534

└── Data Block(DB) No. 01~60