

Mitsubishi <13> Mitsubishi Electric Corporation

PLC Q Series (Q Mode) CPU Direct Connection

Selecting PLC Type

Start up GP-PRO /PBIII.

Select the following PLC Type when creating the project file.



Communication Setting Sample

GP Setup		PLC Settings
Baud Rate	19200 bps	
Data Length	8bit (fixed)	
Stop Bit	1bit (fixed)	
Parity Bit	Odd (fixed)	
Data Flow Control	ER Control (fixed)	
Communication Format	RS-232C (fixed)	
Unit No.	0 (fixed)	

NOTE

The range of data transmission speed is from 9,600bps to 15,200bps. However, the maximum speed available with GP70 series units (except for GP series) is 38,400bps.



Communication Settings [GP]

1 [GP-PRO/PB C-Package Setting]

Select [GP Setup] on Project Manager.





Select [Transfer] --> [Setup] --> [Transfer Settings].

GP System Screen	© ⊆OM
Filing Data(CF card)	Comm Port COM1 Retry Count
Data Trans Func CSV Data(CF card)	Baud Rate 115.2K 💌 (bps)
	C <u>E</u> thernet
Transfer Method	IP address 0. 0. 0. 0 Port 8000
Send All Screens	
C Automatically Send Changed Screens	C Ethernet: Auto Acquistion
 Sena User Selecijea Screens 	C Memory Loader
Transfer Mada	
Proparation for a transfer and a transfer are mad	
 Ereparation for a transfer and a transfer are mad 	e sintakaneous.
It is transferred after preparation for a transfer is	finished.
Setup	
C Ease Curber Cable	
Do NOT Devices Column	
	System Screen
Setup CFG hile :	
• English	
U Japanese	D)) (in) protocol)
<u>Selection</u>	BWIITERCOCOT
OK	Cancel Help

Transfer to GP after settings completed.



2 [GP Settings]

1) Checking GP Type	<u>1) Checking GP Type</u>	
MAIN MENU I INITIALIZE 2 SCREEN DATA TRANSFER 3 SELF-DIAGNOSIS 4 R.N 203/00/00 00:00 00	If you have selected Mitsubishi MELSEC-Q (CPU), the following will be shown. "MELSEC-Q_CPU"	
2) Communication Settings	2) Communication Settings	
MAIN MENU INITIALIZE SET UP 140 2 SET UP 510 2 SET UP PRINTER 3 SET UP PRINTER 4 COMMUNICATION SETUP 5 SOUND SETTINGS	$[MAIN MENU] \downarrow [INITIALIZE] \downarrow [SET UP I/O] \downarrow [SET UP SIO]$	
SET UP SI0 SET CANCEL COMMUNICATION RATE 2400 4800 9600 19200 38400 57600 115200 DATA LENGTH 7 8 7 8 7 7 1 2 PARITY 0 0 0 0 1 1 2 1 1 1 2 OMMUNICATION FORME R5232C 4 LINE 2 LINE 1 2 3 4 5 6 7 8 9 0 1 4 B8	Communication Rate: 19200bps Data Length: 8 Bits Stop Bit: 1Bit Parity: Odd Control: ER Cntrl Communication Format: RS-232C	



5) Seturg up Operation Surroundings	S) Setting up Operation Surroundings [MAIN MENU] ↓ [INITIALIZE] ↓ [PLC SETUP] ↓ [PLC SETUP]
SET UP OPERATION SURROUNDINGS STARTING ADDRESS OF SYSTEM DATA AREA [000000] UNIT NO. [0] SYSTEM AREA READING AREA SIZE (0-256) [0] RESET GP ON DATA HRITE ERROR ON CEF USE 2PORT MODE/CPU DIRECT MODE ADAPTER ADAPTER-4GP (PU INSIDE) 1 2 3 4 5 6 7 8 9 0 1 4 85 0 0 1 1 2 3 4 5 6 7 8 9 0 1 4 85 0 0 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Starting Address of System Data Area: Arbitrary Address Unit No . : 0 Use 2-Port Mode/CPU Direct Mode Connecting CPU Directly: CPU Using Internal 2-Port Adapter: Inside The 2-Port Adapter cannot be used. * Select one in

Communication Settings [PLC]

1 [Using Direct Connection / Internal 2-Port Feature]

There are no items to set on the PLC.



The transmission speed is changed automatically depending on the GP settings. (9600bps - 115.2kbps) Other settings excepting for the transmission speed are fixed (not changeable).