

Mitsubishi <7> Mitsubishi Electric Corporation

<u>QnA Series + Link Unit (Large) Connection</u>

Selecting PLC Type

Start up GP-PRO /PBIII. Select the following PLC Type when creating the project file

[Connecting via Serial Communication Unit]



[Connecting via Computer Link Unit]

(AJ71UC24)

10024)
🐾 a prev : Untitled - Project Manager 📃 🗆 🗙
Debra Sciencemb Zouna Danh Heb
GPPPKU/PDIII
C) Package03
GP Seture
Project Logic Program Lanor Transfer
New Idt Streen Uld transfer
🗁 Open 🦉 Manifer 🔘 Alarm
🚫 UO 🛃 Print
MITSUBISHI MELSEC AnA (LINK)
G GP2600 PK P
Pro-face
2 nores
Select a project

Communication Setting Sample

GP Setup		Serial Communicat	tion Unit Settings
Baud Rate	19200 bps ^{*1}	Baud Rate	19200 bps
Data Length	7 bits	Data Bit	7 bits
Stop Bit	2 bits	Stop Bit	2 bits
Parity Bit	Even	Parity Check Parity setting even/odd	Yes Even
Data Flow Control	ER Control		-
Communication Format (RS-232C)	RS-232C	Mode Setup (RS-232C)	4 (Format 4 Protocol Mode)
Communication Format (RS-422)	4-wire type	Mode Setup (RS-422)	4 (Format 4 Protocol Mode)
		Sum Check	Yes
Unit No.	0	Station Number	0

*1 AJ71QC24-R4, AJ71QC24N can use a baud rate of 115200bps.





Communication Settings [GP]

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

Select [GP Setup] on Project Manager.

1) Communication Settings	<u>1) Communication Settings</u>
GP Settings LO Settings Mode Settings Initial Screen Settings Litended Settings Communication Settings Initial Screen Settings Transmission Speed 19200 Initial Screen Settings Transmission Speed 19200 Initial Screen Settings Parky Bit Stop Bit Initial Screen Settings Initial Screen Settings Stop Bit Initial Screen Settings Initial Screen Settings Stop Bit Initial Screen Settings Initial Screen Settings Initial Screen Settings Initial Screen Settings Initial Screen Settings Initial Screen Settings Initial Screen Settings Initial Screen Settings Ini	Transmission Speed : 19200bps *1 Data Length : 7 Bits Stop Bit: 2 Bits Parity Bit: Even Busy Ready Control : DTR / ER RS-232C/ RS-422 RS-232C Connection: RS-232C RS-422 Connection: 4 Line *1 AJ71QC24-R4, AJ71QC24N can use a baud rate of 115200bps. * Select one in depending on the communication method.
2) Mode Settings	2) Mode Settings
GP Settings - a.prw Initial Screen Setings L/X0 Setings Mode Setings GP Settings L/X0 Setings Mode Setings PLC Type MITSUBISHI MELSEC-Qn/LUNK) System Start Addeess D00000 Machine Number Image: mail Link Protocol Type Image: mail Node Setup Image: mail Node Setup Image: mail Node Setup Image: mail Opport Opport	System Start Address: Arbitrary Address Machine No.: 0 Link Protocol Type: 1:1



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

Transfer Settings	- Communications P	2
	Communications Fi	at .
GP System Screen	Comm Port	COM1 Retry Count 5
Data Trans Func CSV Data(CF card)	Baud Rate	115.2K (bps)
	C Ethernet	
Transfer Method	_ IP Address	0. 0. 0. 0 Port 8000
Automatically Send Changed Screens	C Ethernet: Auto A	requistion
	C Memory Loader	
Setup Use Extra Contract Setup C	ended Program : gulation tem Screen	
OK	Cancel	Help
sfer Settings GP System Settin	ngs: Checked	

Transfer to GP after settings completed.



2 [GP Settings]





3) Setting up Operation Surroundings	3) Setting up Operation Surroundings [MAIN MENU] \downarrow [INITIALIZE] \downarrow [PLC SETUP] \downarrow [PLC SETUP]
SET UP OPERATION SURROUNDINGS LENU 1:1 n:1 1 SET UP OPERATION SURROUNDINGS	SET UP OPERATION SURROUNDINGS MENU: 1:1
SET UP OPERATION SURROUNDINGS STARTING ADDRESS OF SYSTEM DATA AREA [0000000] UNIT NO. [0] SYSTEM AREA READING AREA SIZE (0-256) [0] RESET GP ON DATA WRITE ERROR MONITOR RECORD MODE SET 1 2 3 4 5 6 7 8 9 0 1 4 BS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Starting Address of System Data Area: Arbitrary Address Unit No.: 0 * Select one in



Communication Mode Setup

- **e 1:** This mode is valid when the number of the devices of the tags set on one screen is 64 or more. The communication speed is improved by this mode. Select this mode when using 64 or more devices.
- Mode 2: This mode is valid when the number of the devices of the tags set on one screen is less than. The communication speed is improved by this mode. Select this mode when using less than 64 devices.



Communication Settings [PLC]

1. RS-232C Connection

1-1 [Connecting via Serial Communication Unit AJ71QC24 / AJ71QC24N]

<u>1) Mode Setup</u>	<u>1) Mode Setup</u>
MODE	4 (Format 4 Protocol)
2) Communication Settings	2) Communication Settings
Set switches to the black.	
$ \overrightarrow{} a$	Baud Rate:19200bpsData Bit:7 BitsStop Bit:2 BitsParity Check:YesParity Setting Even/Odd:EvenWrite Possible in RUN Mode: PossibleSum Check:Yes
3) Node Settings	3) Node Settings
STATION NO $1 \frac{2}{2} \frac{1}{2} \frac{1}{2$	Station Number: 0



2. RS-422 Connection

2-1 [Connecting via Serial Communication Unit AJ71QC24 / AJ71QC24N-R4 / AJ71QC24N]

1) Mode Setup	1) Mode Setup
MODE	4 (Format 4 Protocol)
2) Communication Settings	2) Communication Settings
Set switches to the black.	
\rightarrow 0 N 01 02 03 04 05 06 07 08 09 10 11 12 12	Baud Rate:19200bpsData Bit:7 BitsStop Bit:2 BitsParity Check:YesParity Setting Even/Odd:EvenWrite Possible in RUN Mode: PossibleSum Check:Yes
3) Node Settings	3) Node Settings
STATION NO $ \begin{array}{c} $	Station Number: 0



1) Mode Setup	<u>1) Mode Setup</u>
MODE	8 (Format 4 Protocol)
2) Communication Settings	2) Communication Settings
Set switches to the black	
Set switches to the black. III III III III III III IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Baud Rate:19200bpsData Bit:7 BitsStop Bit:2 BitsParity Check:YesParity Setting Even/Odd:EvenWrite Possible in RUN Mode: PossibleSum Check:Yes
<u>3) Node Settings</u>	3) Node Settings
STATION NO	-
$1 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ $	Station Number: 0

2-2 [Connecting via Computer Link Unit AJ71UC24]