

YOKOGAWA FA-M3

Supported Series : FA-M3 CPU SP35-5N, SP55-5N CPU port, F3LC11 Computer Link module.

Website : http://www.yokogawa.com/itc/itc-index-en.htm

HMI Setting:

Parameters	Recommended	Options	Notes
PLC type	YOKOGAWA FA-M3		
PLC I/F	RS232		
Baud rate	19200	9600 ~ 115200	
Data bits	8	7, 8	
Parity	Even	Even, Odd, None	
Stop bits	1	1, 2	
PLC sta. no.	1	1-32	

cMT-G03 Gateway

The [Protocol Config] settings of dMT-G03 and upper HMI must be the same.

Yes

	Protocol Config ×
Extension Checksum Terminator	
	OK Cancel

PLC Setting:

	Use Personal Communication Link
Communication mode	Use checksum
	Use End Character



WideField communication setting:

For WideField communication setting, select [Tool]/ [Set Environment], the default is [Automatic]. Using the Automatic Recognition, WideField software will connect the current PLC and get the PLC communication setting. If the PLC communication configuration is already known, select the [Fixed] mode, It will connect with the PLC quickly.

Setup Environment	×
Setup Circuit Display Setup Program Syntax Check Setup Toolbar	
Setup Folders Setup Communication	
Communication Media © RS-232C © RS-232C via Modem © Ethernet Setup Modem	
RS-232C Communication	
Connection Method	
Automatic Recognition Fixed 19200bps Even Parity	
Communication Timeout	
Number of Retries 2	
COM Port Number	
Ethernet Communication	
Destination IP Address	
CPU Number	
Connection Timeout 20 😤 s	
OK Cancel Default Help	

P.S Since Personal Computer link is used, when connecting to PLC it will delay about 20sec for testing communication.

YOKOGAWA PLC Communcation Setting:

YOKOGAWA FA-M3 CPU SP55-5N (same SP35-5N) [File] /[New Project] to create a new project. WE!NTEK PLC Connection Guide 🎯 WideField _ 🗆 🗙 Eile Edit Find(S) View Online Debug/Maintenance Tool Window Help New Project(M).. <u>ee ku t+RQQ u vaaf U.</u> Open Project(<u>H</u>)... ▓⇇ॡॕॣॳॸऺॸऺ Close Project Ctrl+N <u>N</u>ew... <u>O</u>pen • Print Setup... Open CADM3 Executable Program(I)... Exit RDY RUN ALM ERR Creates a new project.



Click [Configuration] to set up communication.



Device Address:

Bit/Word	Device	Format	Range	Memo
В	Х	DDDDD	0 ~ 71664	
В	Y	DDDDD	0 ~ 71664	
В	Ι	DDDDD	1 ~ 65535	
В	Μ	DDDD	1 ~ 9984	
В	L	DDDDD	0 ~ 78192	
W	D	DDDDD	1 ~ 65535	
W	В	DDDDDD	1 ~ 262144	
W	V	DDD	1 ~ 256	
W	W	DDDDD	1 ~ 78192	
W	Z	DDDD	1 ~ 1024	
W	F	DDDDDD	1 ~ 524288	



Wiring Diagram:

Diagram 1

RS-232

The serial port pin assignments may vary between HMI models, please click the following link for more information.

НМІ		PLC
<u>Link</u>		RS232 9P D-Sub Male
Rx	◆	3 TX
Тx	<>	2 RX
GND	<>	5 GND
		7
		8