

FnIO-G CC-Link IE Field GN-9285 MOD NET ERROR IOS	PWR System Power Field Power CREVIS



G-Series Remote IO

GN-9285 CC-Link IE Field



QUICK Start Guide

1 Introduction

1.1 This guide contains brief configuration procedures for the GN-9285 CC-Link IE Field Remote IO adaptor. This adaptor functions as a slave on programmable logic controllers and other devices that function as a CC-Link IE Field master. For the purposes of this quick start guide, the focus will be on GX-Works3 compatible products and the iQ-R PLC.

2 Example System Layout

- 2.1 This section is a system example that will be utilized for this guide. For simplicity, the system will be limited to a master PLC and a single slave GN-9285 adaptor.
- PLC: R35B Base Rack R61P Power Supply R04CPU CPU Module RJ72GF11-T2 IE Field Module

GN-9285	
GT-7588	Power Module 24V, 0V
GT-1238	8 pt, IN
GT-2328	8 pt <i>,</i> OUT
GT-3944	4 pt, Analog IN
GT-4464	4 pt, Analog OUT
	GN-9285 GT-7588 GT-1238 GT-2328 GT-3944 GT-4464



Figure 2.1: Sample System Layout

3 Connections

3.1 Wire the system and field power as in Figure 3.1.



Figure 3.1: Adaptor Power Connections

4 Station # Settings

4.1 GN-9285 Station setting

Set DIP switches 1-8 for the binary coded station numbers 1 through 120. For this exercise, Set #1 to ON

2	DIP Pole#		Description
	1	Node ID #0	Min. 1 ~ Max. 120
	2	Node ID #1	#default Node ID : 1
	3	Node ID #2	
	4	Node ID #3	
	5	Node ID #4	
	6	Node ID #5	
	7	Node ID #6	
	8	Node ID #7	
	9	Fault action	OFF : Hold Last value
			ON : Clear All output value
	10	= ON : Firmware	upgrade

Figure 4.1: Network Adapter Station Number

5 Software Settings

5.1 Download the GN-9285 CSPP profile and register in GX-Works3. **Note:** All projects must be closed while registering profiles

Tool \rightarrow Profile Management \rightarrow Register



Figure 5.1: Register Profile

5.2 Select the module settings by clicking the RJ71GF11-T2 in the module list. The Required Settings can remain at default.

	Setting Item List	Setting Item	
	Input the Setting Item to Search	Item	Setting
		E Station Type	
		Station Type	Master Station
Navigation 🛛 🗘 🗙		Network No.	
	Required Settings	Network No.	1
T Module Configuration	Notwork No	🖃 Station No.	
n 😓 Program	Station No	Setting Method	Parameter Editor
5 FB/FUN	Parameter Setting Method	Station No.	0
🗉 🌆 Label	🕀 🌗 Basic Settings	Parameter Setting Method	
🖬 🚰 Device = C. Parameter	Application Settings	Setting Method of Basic/Application Settings	Parameter Editor
System Parameter			
■ 🚱 R04CPU			
PU Parameter		Explanation	
A. Module Parameter H. Memory Card Parameter		Select station type (network type) of CC-Link IE field	i network module.
Module Information			
0000:RJ71GF11-T2			
🌆 Remote Password			~
		Check Pestore the Default Set	tings
	Item List Find Result	Check Restore the Delaur Ser	ungo
			Apply

Figure 5.2: RJ71GF11-T2 Required Settings

5.3 Select the Basic Settings and then select Network Configuration Settings.

Input the Setting Item to Search	Li	
	Item	Setting
	Network Configuration Settings	
	Network Configuration Settings	<detailed setting=""></detailed>
	📮 Refresh Settings	
Required Settings	Refresh Settings	<detailed setting=""></detailed>
Notwork No	Network Topology	
Station No	Network Topology	Line/Star
Parameter Setting Method	Operation of Master Station after Reconnection	
🚊 🚯 Basic Settings	Operation of Master Station after Reconnection	Return as Master Operation Station
Network Configuration Setting		
Refresh Setting		
Operation of Master Station		
	Explanation	
2 (ag · +	Set parameters of slave stations (the number of points a master and submaster station	and assignment of link devices) in the 🛛 🔨
		~
< >		
Item List Find Result	Check Restore the Default Settings	
		Apply

Figure 5.3a: Network Configuration Settings



Figure 5.3b: Add Station to Network

Drag the GN-9285 module to the network line and it will be added to the network. Set the Station # to match the DIP switch setting in the section 4.1. Enter the desired RX/RY and RWw/RWr settings. In this case, 32 points were added to each. The actual data from the setup in section 2.1 is 8 bits each RX/RY and 4 words each for RWw/RWr, so the 32 will provide room for expansion.

Select "Close with Reflecting the Setting"

6 Refresh Configuration

6.1 Select the Refresh Settings and add the Link Side and CPU Side data areas.

nput the Setting Item to Search														
te Bra	No			Link Side					ci	PU Sid	e			
Basic Settings	TWU.	Device Nan	ne	Points	Start	End		Target	Device N	lame	Points	Start	End	
Network Configuration Settings	•	SB	~	512	00000	001FF	+	Module Labe \vee						
- 😋 Refresh Setting		SW	×	512	00000	UUIFF	-	Module Labe						
 Network Topology 	1	RX	~	32	00000	0001F	+	Specify Devi 🗸	X	~	32	00500	0051F	
 Operation of Master Station after Reconne 	2	RY	×	32	00000	0001F	+	Specify Devi V	Y	\sim	32	00500	0051F	
Application Settings	3	RWr	~	32	00000	0001F	+	Specify Devi V	W	~	32	00000	0001F	
	4	RWw	~	32	00000	0001F	+	Specify Devi 🗸	W	~	32	01000	0101F	
										_				
	Explana	ation	_											
	Select	a device type	(RX	/RY/RWr/F	RWw).									

Figure 6.1: DIP Switch Settings

RX:	Х	500	Note: The first digital input on Station #1 will be X500
RY:	Y	500	Note: The first digital output on Station #1 will be Y500
RWr:	W	0	Note: The first analog input data on Station #1 will be W0
RWw:	W	1000	Note: The first analog output data on Station #1 will be W1000

Apply the settings and close the window

7 Download Settings

7.1 Write the parameters to the PLC and reboot the PLC & GN-9285 adaptor.

8 Monitor Data

8.1 Use the GX-Works3 Device/Buffer Memory Batch Monitor or Watch Windows to read/write data to the GN-9285 adaptor.

IIIION I KOFF VON/OFF toggle Update							
Name	Current Value	English	Display Format	Data Type			
K4X500	0000 0000 0000 0001	INPUTS	BIN	Word [Signed]			
K4Y500	0000 0000 0000 0001	OUTPUTS	BIN	Word [Signed]			
W0	5000	ANALOG IN CH0	Decimal	Word [Signed]			
W1000	5000	ANALOG OUT CH0	Decimal	Word [Signed]			

Figure 8.1: GX-Works3 Watch Window



Crevis USA 5220 E 64th St Indianapolis, IN 46220 833.293.1010 www.crevis.us