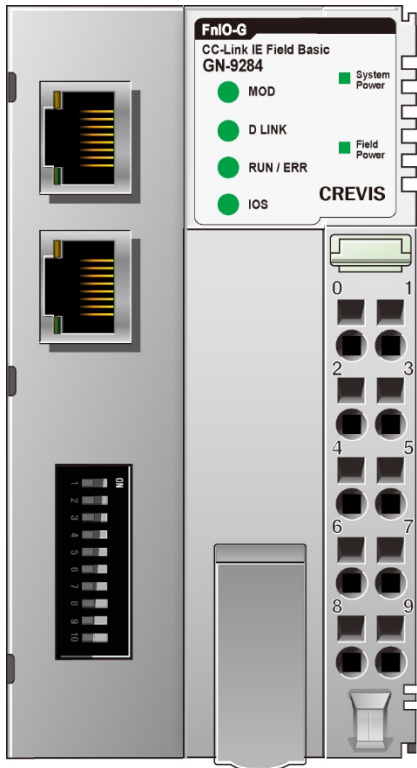


CREVIS



CC-Link IE Field Basic

G-Series Remote IO

GN-9284 & GL-9084
CC-Link IE Field Basic

Introduction

1

Example System

2

Connections

3

Install CSP Profile

4

PLC Ethernet Setup

5

Network Configuration

6

Download Settings

7

Monitor Data

8

Quick Start Guide

1 Introduction

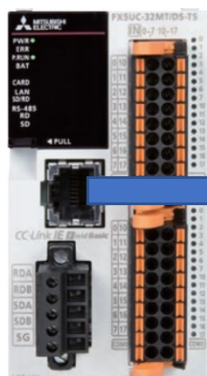
- 1.1 This guide contains brief configuration procedures for the GN-9284 CC-Link IE Field Basic Remote IO adaptor. This adaptor functions as a slave on programmable logic controllers and other devices that function as a CC-Link IE Field Basic master. For the purposes of this quick start guide, the focus will be on GX-Works3 compatible products like the iQ-F and iQ-R PLCs.

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-9284 adaptor.

PLC:	FX5UC-32MT/DSS-TS	
Remote IO:	GN-9284	
Slice #1:	GT-1238	8 pt, IN
Slice #2:	GT-2328	8 pt, OUT
Slice #3:	GT-3424	4 pt, Analog IN
Slice #4:	GT-4424	4 pt, Analog OUT

FX5UC-32/DSS-TS



Ethernet

Crevis Remote IO

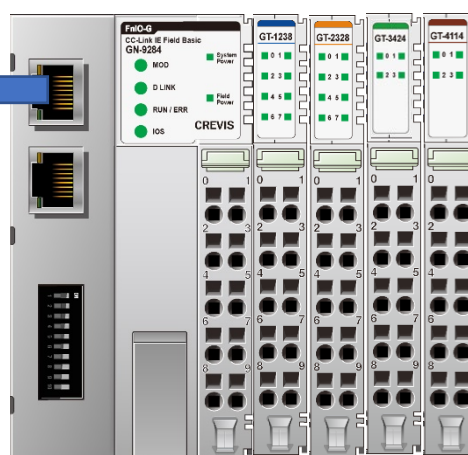


Figure 2.1: Sample System Layout

3 Connections

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

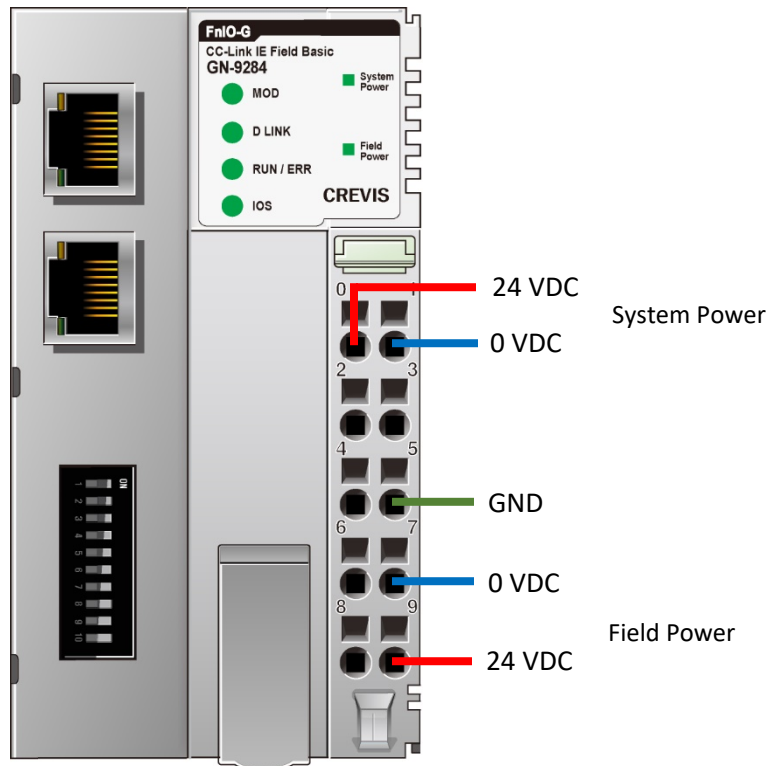


Figure 3.1: Adaptor Power Connections

4 Register Profile

4.1 Download the GN-9284 CSPP profile and register in GX-Works3.

Note: All projects must be closed while registering profiles

Tool → Profile Management → Register

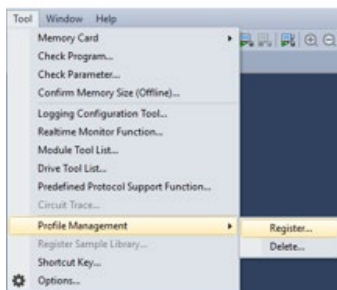


Figure 4.1: Register Profile

5 PLC Ethernet Setup

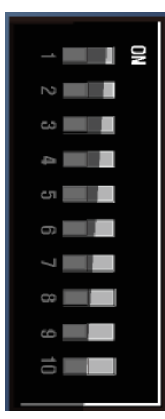
5.1 Enter the IP Settings for the PLC in GX-Works3. For details on GX-Works3 reference the software manuals

Setting Item	
Item	Setting
Own Node Settings	
IP Address	
IP Address	192 . 168 . 3 . 250
Subnet Mask	255 . 255 . 255 . 0
Default Gateway	192 . 168 . 3 . 254
Communication Data Code	Binary
CC-Link IEF Basic Setting	
To Use or Not to Use CC-Link IEF Basic Setting	Enable
Network Configuration Settings	<Detailed Setting>
Refresh Settings	<Detailed Setting>
MODBUS/TCP Settings	
To Use or Not to Use MODBUS/TCP Setting	Not Used
Device Assignment	<Detailed Setting>
External Device Configuration	
External Device Configuration	<Detailed Setting>

Figure 5.1: PLC Ethernet Settings

5.2 GN-9284 IP Address setting

Set DIP switches #1 & #10 to ON. This will set the adaptor IP to 192.168.3.1



DIP Pole#	Description	
1	IP DIP bit#0	Lowest IP Address when Pole#10=ON ex) XXX.XXX.XXX.IP_DIP
2	IP DIP bit#1	
3	IP DIP bit#2	
4	IP DIP bit#3	
5	IP DIP bit#4	
6	IP DIP bit#5	
7	IP DIP bit#6	
8	IP DIP bit#7	
9	= ON : Enable DHCP/BOOTP *	
10	= ON : Use Lowest IP Address with IP_DIP value	

Figure 5.2: DIP Switch Settings

6 Network Configuration

6.1 Enable the CC-Link IEF Basic

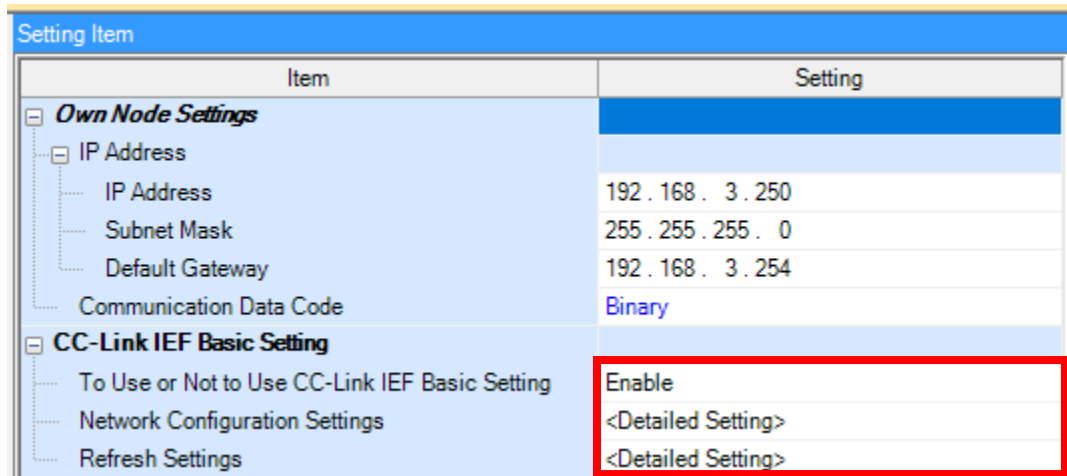


Figure 6.1: CC-Link IE Field Basic Settings

6.2 Enter the Network Configuration Settings and add station #1 by dragging in the GN-9284 adapter from the Module List.

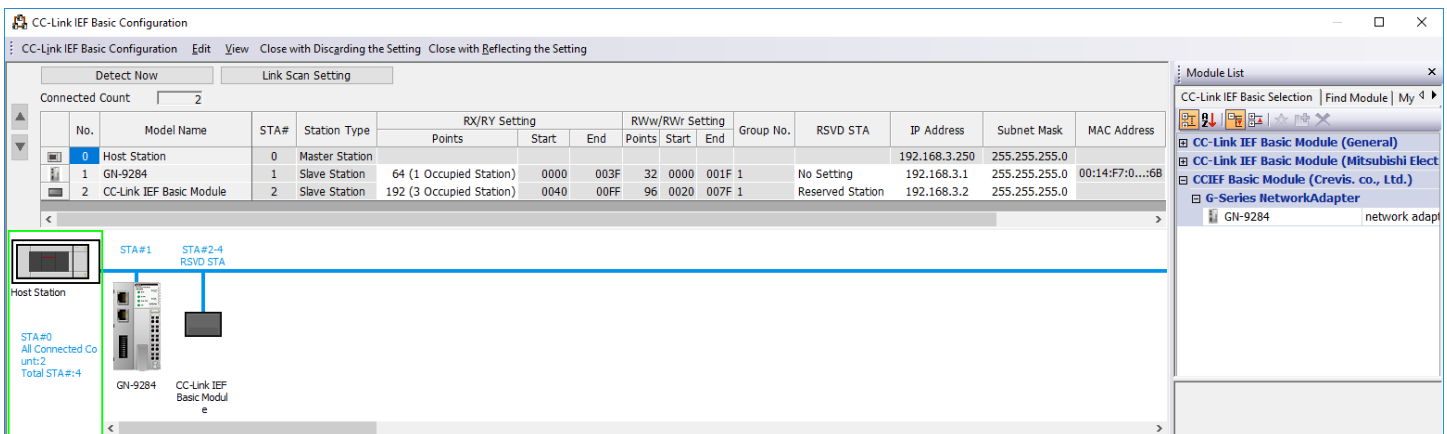


Figure 6.2: CC-Link IE Field Basic Configurations

Select these settings;

- Points: RX/RX to 64 (1 Occupied Station)
- RSVD: No Setting
- IP Address: 192.168.3.1
- Subnet Mask: 255.255.255.0

Click the Close with Reflecting the Setting button.

- 6.3 Enter the Refresh Settings and set the CPU Side devices. These settings control where the GN-9284 data is accessed in the PLC.

Link Side					CPU Side				
Device Name	Points	Start	End		Target	Device Name	Points	Start	End
RX	256	00000	000FF	↔	Specify Device	X	256	500	1077
RY	256	00000	000FF	↔	Specify Device	Y	256	500	1077
RWr	128	00000	0007F	↔	Specify Device	D	128	4000	4127
RWw	128	00000	0007F	↔	Specify Device	D	128	5000	5127

Figure 6.3: Refresh Settings

RX:	B	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:	D	4000	Note: The first analog input data on Station #1 will be D4000
RWw:	D	5000	Note: The first analog output data on Station #1 will be D5000

- 6.4 Apply the settings and close the window

7 Download Settings

- 7.1 Write the parameters to the PLC and reboot the PLC & GN-9284 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-9284 adaptor.



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