

Network Adapter  
**IUGUIDEPRO**  
Quick start manual

DOCUMENT CHANGE SUMMARY				
REV	PAGE	REMARKS	DATE	EDITOR
1	New Document		2022. 6. 28.	WH JEONG

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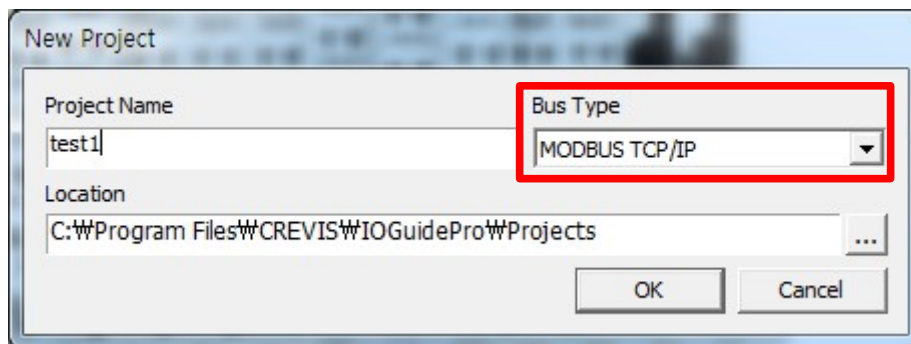
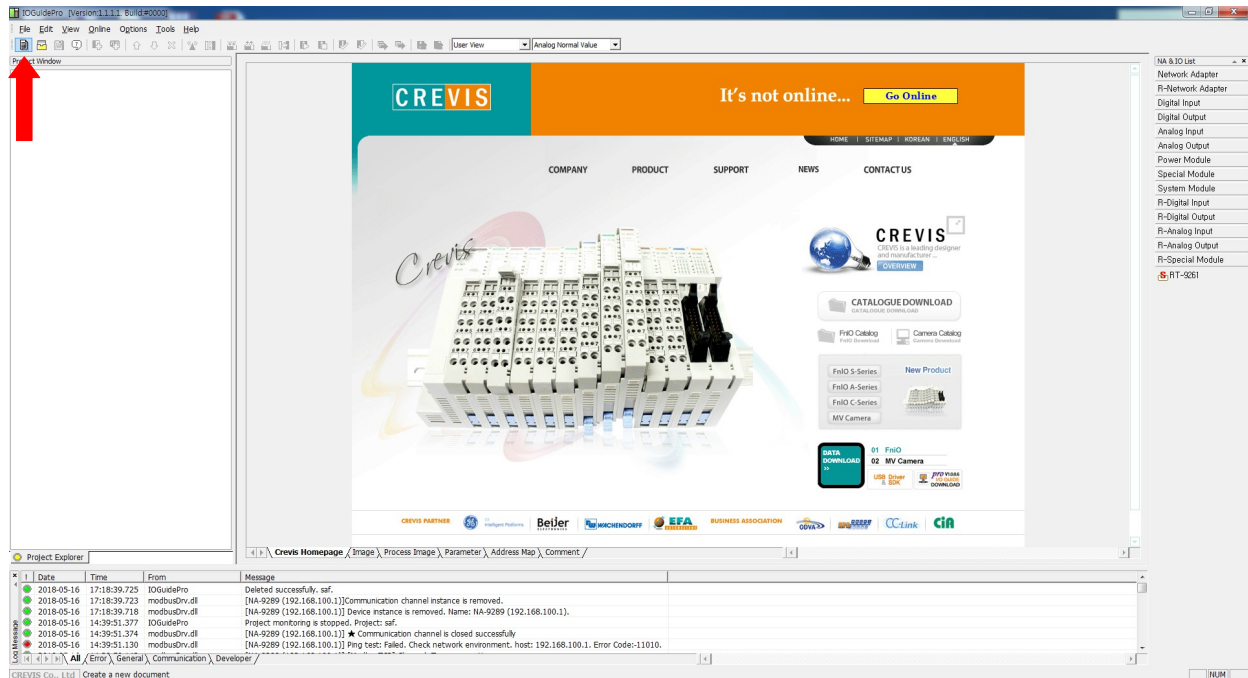
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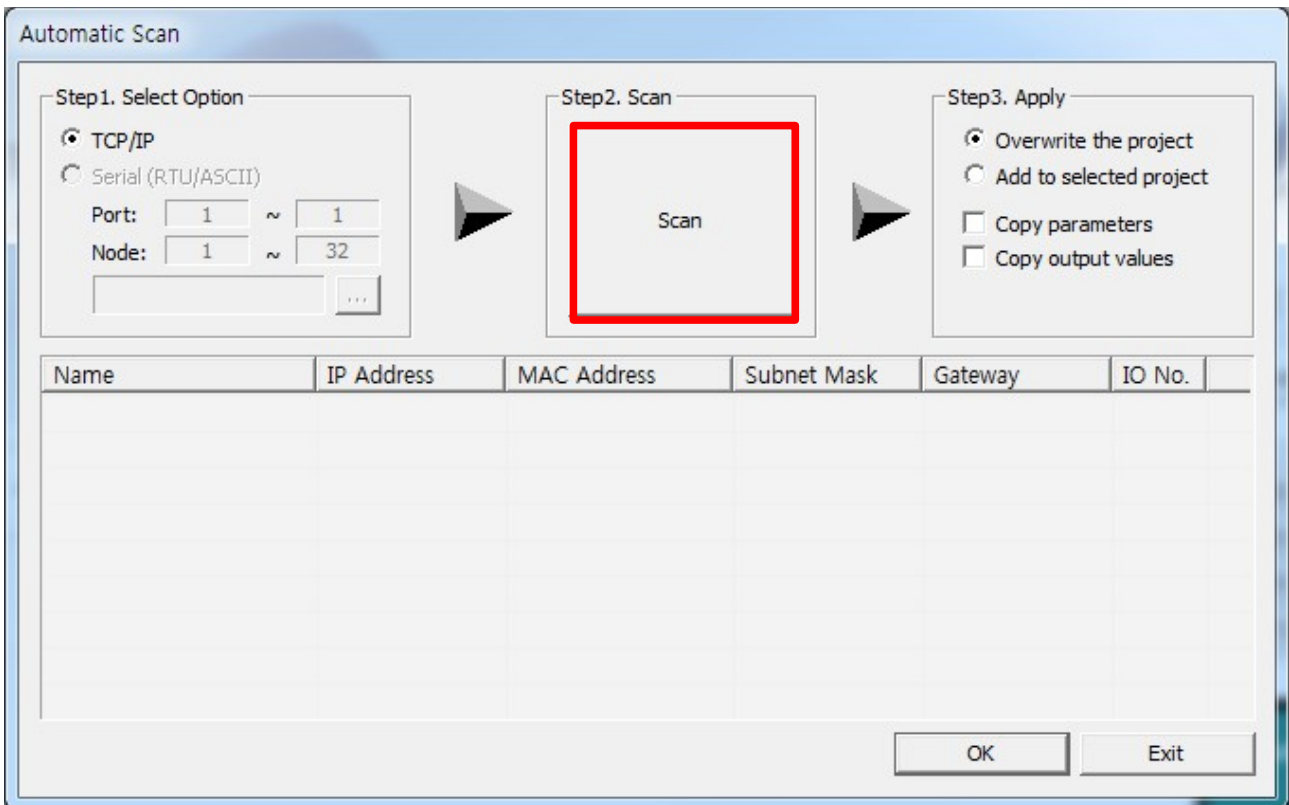
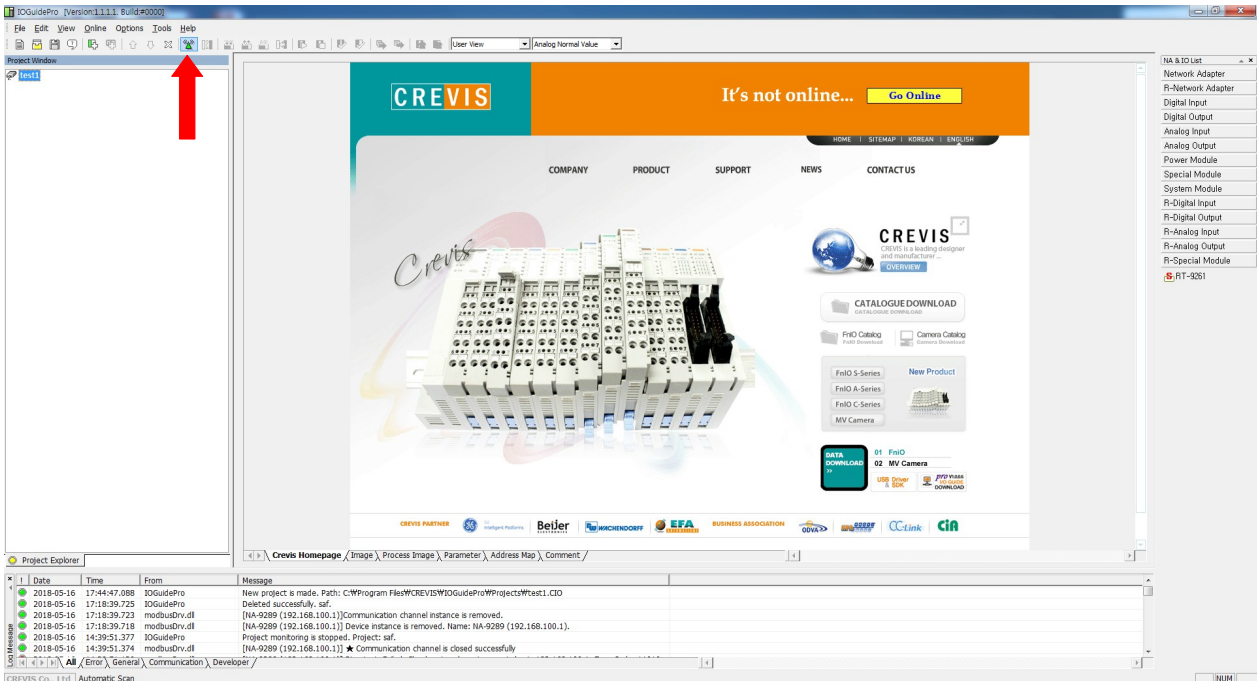
# 1. IOGuidePro

## 1.1 Hardware configuration setting

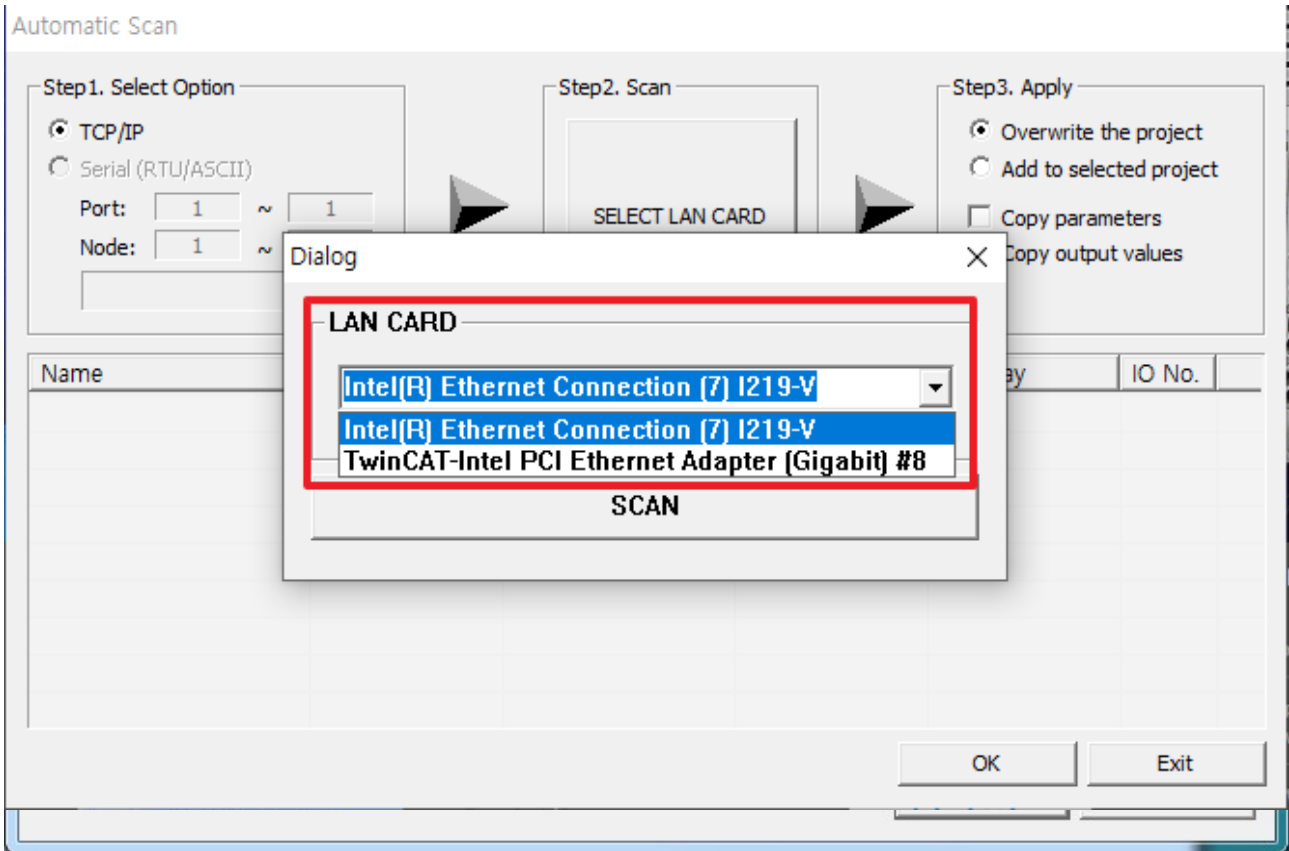
### (1) Create new project



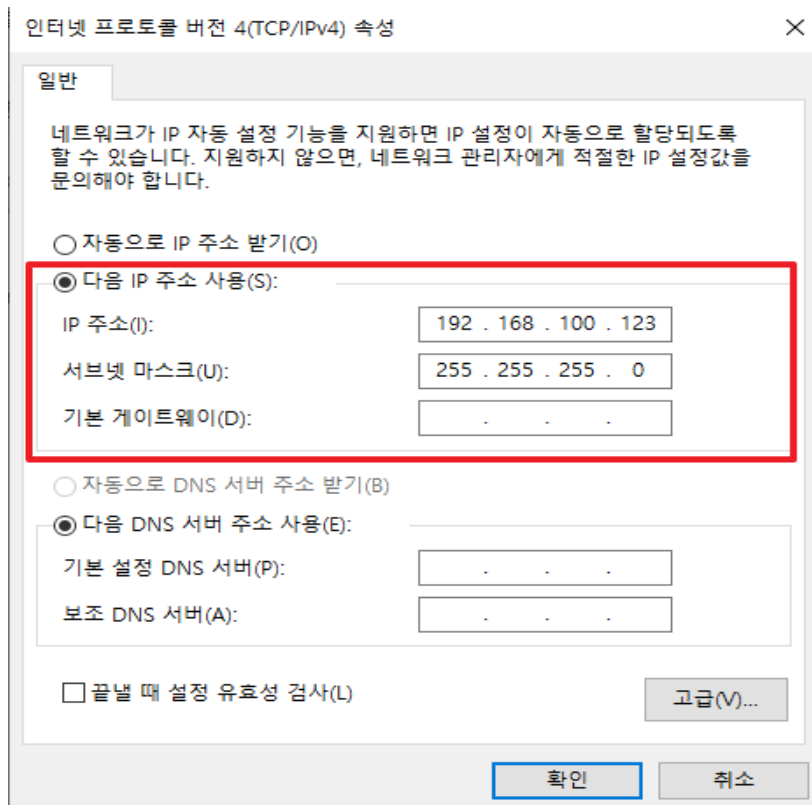
## (2) Automatic scan



※ Select LAN CARD.



※ NA and PC IP address must match up to the 3rd band



## Automatic Scan

Step1. Select Option

TCP/IP  
 Serial (RTU/ASCII)

Port:  ~   
Node:  ~

Step2. Scan

SELECT LAN CARD

Step3. Apply

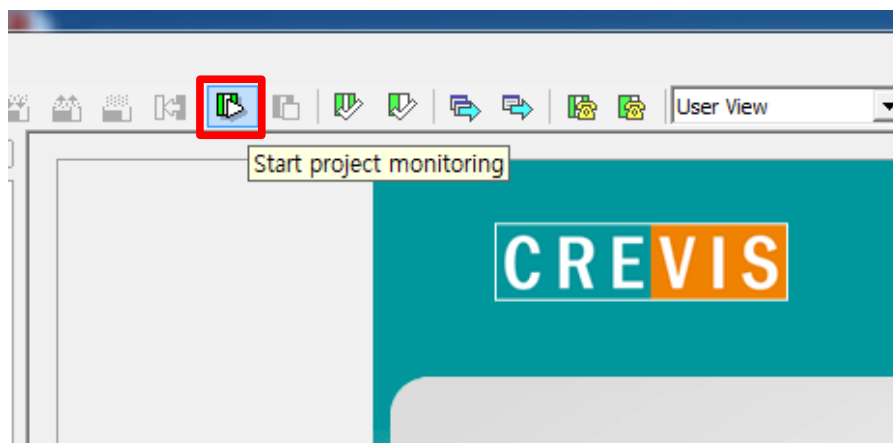
Overwrite the project  
 Add to selected project  
 Copy parameters  
 Copy output values

Name	IP Address	MAC Address	Subnet Mask	Gateway	IO No.
GN-9289	192.168.100.10	00:14:F7:00:00:02	255.255.255.0	192.168.0.1	4
01: GT-123F					
02: GT-2318					
03: GT-3118					
04: GT-4118					

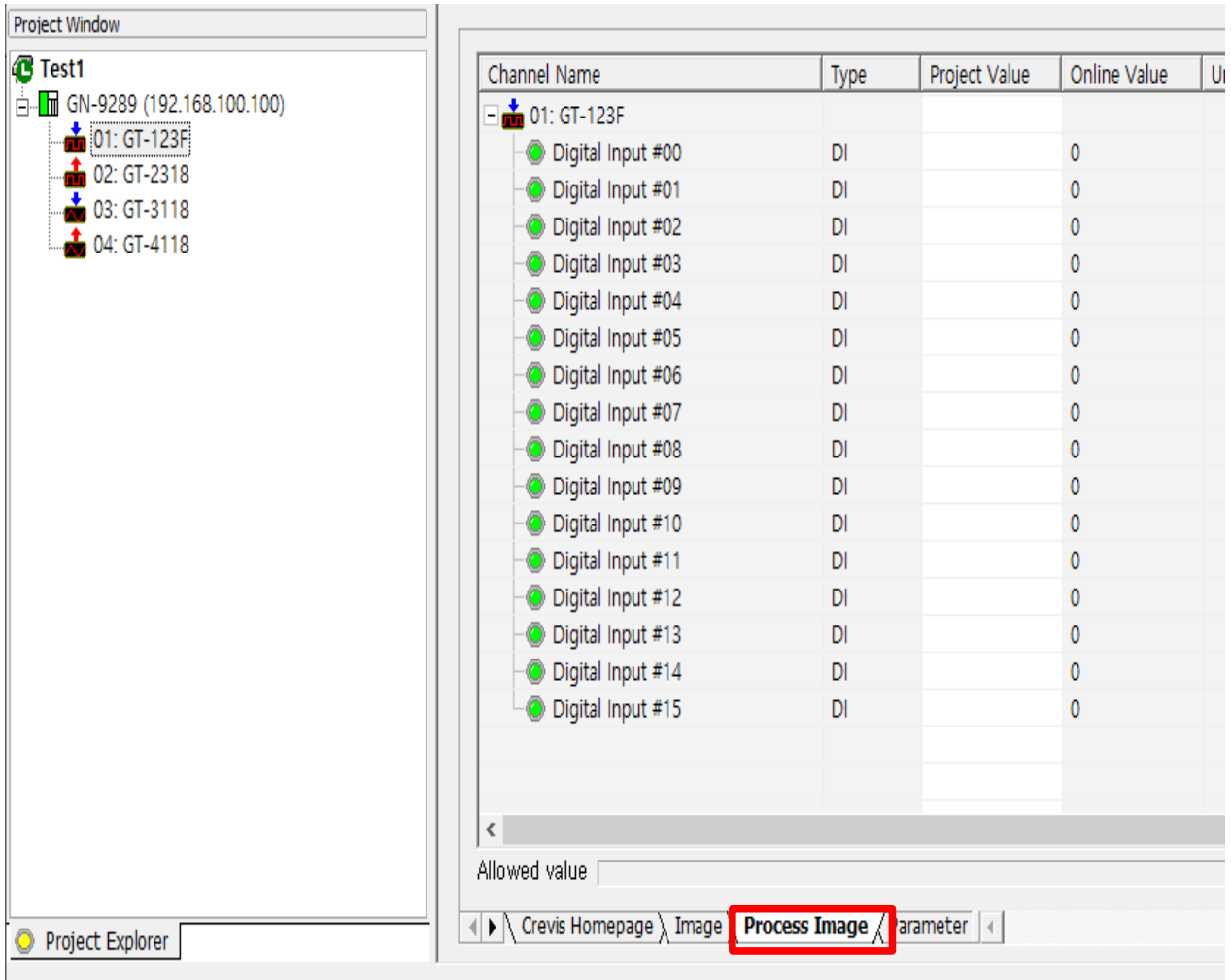
OK Exit

## 1.2 I/O test

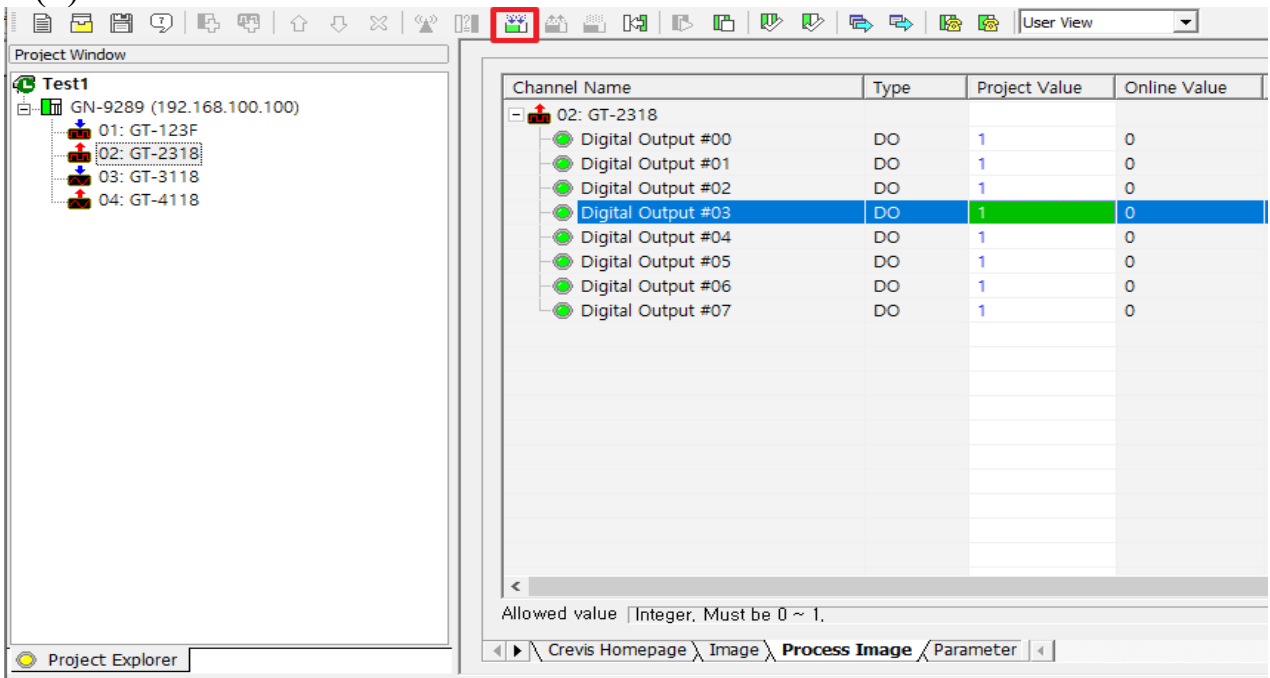
## (1) Start project monitoring



## (2) Go to 'Process Image' tap of IO module



- (3) Change the 'Project Value
- (4) Download desired value





(5) Verify that the online value has changed

Channel Name	Type	Project Value	Online Value
02: GT-2318			
Digital Output #00	DO	1	1
Digital Output #01	DO	1	1
Digital Output #02	DO	1	1
Digital Output #03	DO	1	1
Digital Output #04	DO	1	1
Digital Output #05	DO	1	1
Digital Output #06	DO	1	1
Digital Output #07	DO	1	1

(6) Input data can be checked in the process image tap of the input module

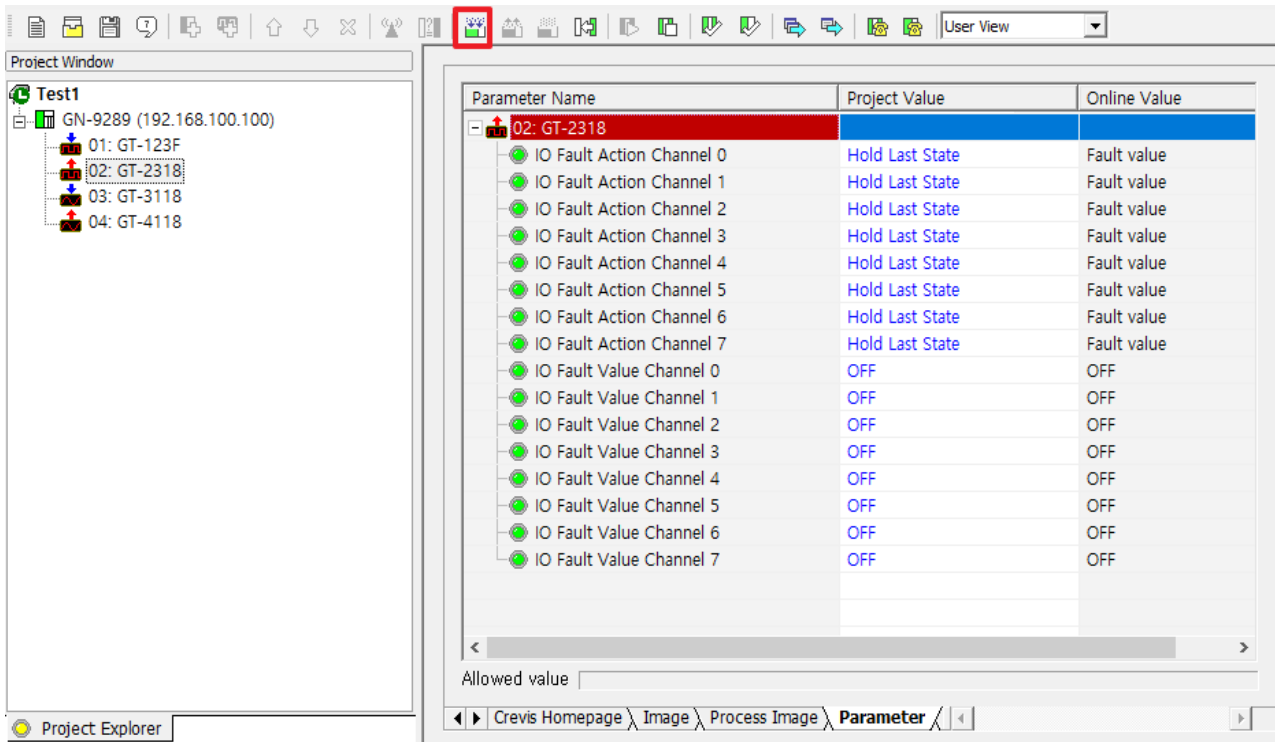
### 1.3 Change I/O parameter

(1) Go to 'Parameter' tap

Parameter Name	Project Value	Online Value
02: GT-2318		
IO Fault Action Channel 0	Fault value	Fault value
IO Fault Action Channel 1	Fault value	Fault value
IO Fault Action Channel 2	Fault value	Fault value
IO Fault Action Channel 3	Fault value	Fault value
IO Fault Action Channel 4	Fault value	Fault value
IO Fault Action Channel 5	Fault value	Fault value
IO Fault Action Channel 6	Fault value	Fault value
IO Fault Action Channel 7	Fault value	Fault value
IO Fault Value Channel 0	OFF	OFF
IO Fault Value Channel 1	OFF	OFF
IO Fault Value Channel 2	OFF	OFF
IO Fault Value Channel 3	OFF	OFF
IO Fault Value Channel 4	OFF	OFF
IO Fault Value Channel 5	OFF	OFF
IO Fault Value Channel 6	OFF	OFF
IO Fault Value Channel 7	OFF	OFF

(2) Change the 'Project Value'

(3) Download desired value

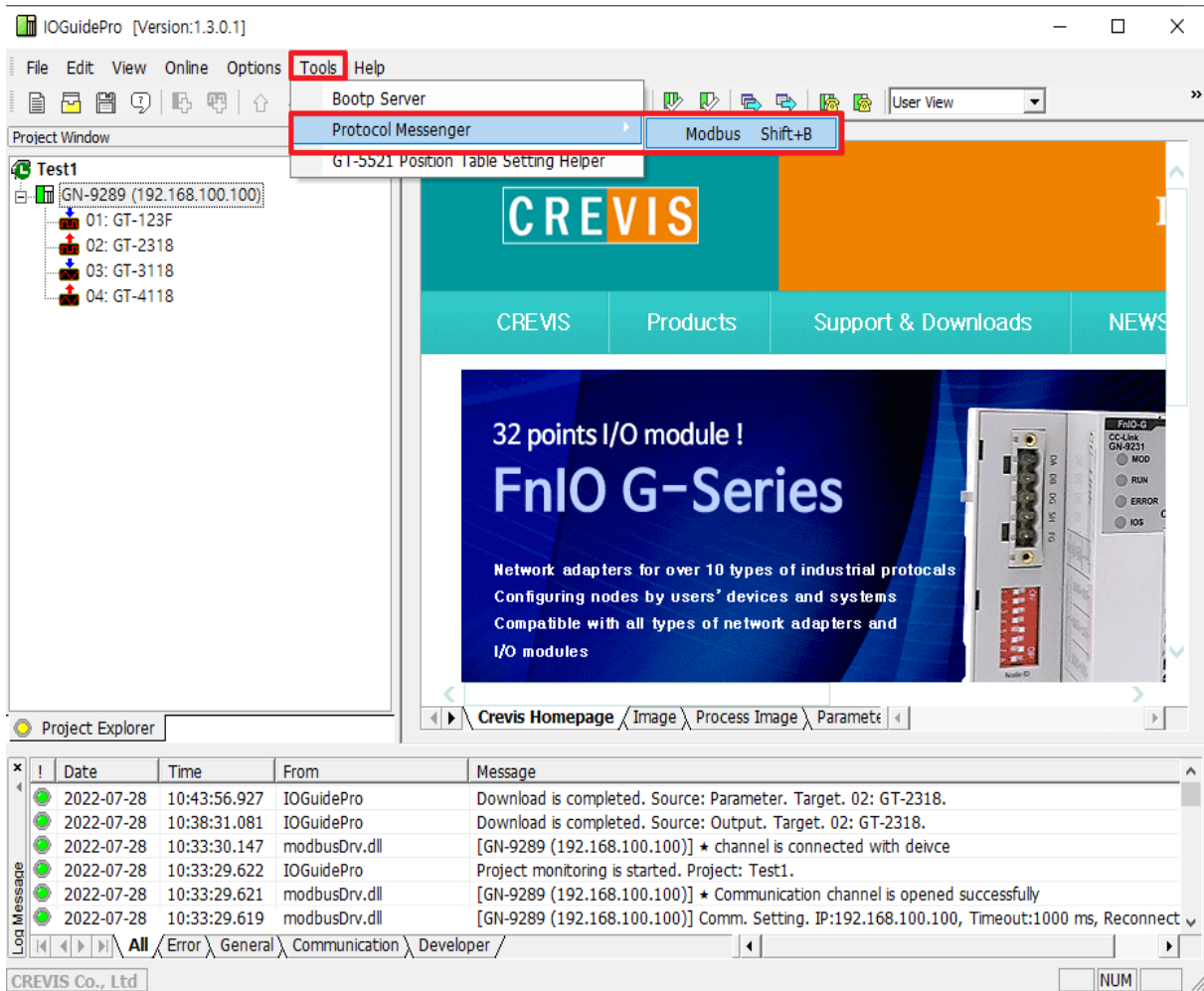


(4) Verify that the online value has changed

Parameter Name	Project Value	Online Value
02: GT-2318		
IO Fault Action Channel 0	Hold Last State	Hold Last State
IO Fault Action Channel 1	Hold Last State	Hold Last State
IO Fault Action Channel 2	Hold Last State	Hold Last State
IO Fault Action Channel 3	Hold Last State	Hold Last State
IO Fault Action Channel 4	Hold Last State	Hold Last State
IO Fault Action Channel 5	Hold Last State	Hold Last State
IO Fault Action Channel 6	Hold Last State	Hold Last State
IO Fault Action Channel 7	Hold Last State	Hold Last State
IO Fault Value Channel 0	OFF	OFF
IO Fault Value Channel 1	OFF	OFF
IO Fault Value Channel 2	OFF	OFF
IO Fault Value Channel 3	OFF	OFF
IO Fault Value Channel 4	OFF	OFF
IO Fault Value Channel 5	OFF	OFF
IO Fault Value Channel 6	OFF	OFF
IO Fault Value Channel 7	OFF	OFF

## 1.4. Protocol messenger

### (1) IOGuidePro – Tools – Protocol messenger – Modbus (Shift + B)



- (2) Write IP address after change the protocol to 'Modbus TCP'
- (3) Select function
- (4) Write address and quantity (refer to the NA-9289 user manual)
- (5) Write send data when you use write function
- (6) Send
- (7) Check the response and log

The screenshot displays the 'Modbus communication' software interface. The 'Communication Setup' section is highlighted with a red box, showing the protocol set to 'Modbus TCP' and the IP address '192 . 168 . 100 . 1'. Below this, the 'Request' section is also highlighted, showing a Slave ID of '1', Function '03, Read Holding Registers (output word)', Address '0000', and Quantity '1 Word'. The 'Send Data' section is empty, and the 'Response' section shows '0000'. The 'Log' section at the bottom shows 'Success.' and an 'Exit' button.

Modbus communication

Communication Setup

Protocol: Modbus TCP IP Address: 192 . 168 . 100 . 1

Built-In Messages

Request

Slave ID (Dec): 1 Function (Dec): 03, Read Holding Registers (output word)

Address (Hex): 0000 Quantity (Dec): 1 Word

Send Data (Hex, 0 on the right)

Send

Response (0 on the right)

0000

WordHex  WordUnsigned  WordSigned  Ascii  Swap word

ByteHex  ByteBit  ByteDec Trim Length:  byte

Log

Success.

Exit