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# How to manage and maintain all configured modules by using Save/Load project function?

DCON Utility Pro provides the Save Project function from V4.0.0.1.

# The main purposes of saved project data are

- a. Save all modules' communication parameters, it helps restore the original search result quickly if there are many modules on RS-485 network.
- b. Saving module settings in detail, it helps to understand what functions the module has and saves paperwork time for recording module settings.

# Usage scenario:

Suppose a case is arranged with many modules scattered in a building, and these modules will be configured with different configurations according to requirements. There are usually the following requirements

1. Need to save the communication parameter records of each module (COM Port, Protocol, Baud Rate, Checksum, Parity format, etc.).

2. Need to have detailed records for each module (Power On Value, Safe Value, Watchdog, AI input range, AO output range, etc.).

3. Ensure that the correct settings can be provided for comparison when updating and replacing modules due to damage in the future.

When the case is completed, everything is ready. After a few years, some modules will be damaged and updated. Whether the updated module settings are correct can use the "Load Project" function to help check on-site whether the updated module settings are the same as the data stored at the beginning. This is a very important task for the follow-up maintenance and operation of the case.

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The following	g will introduce how	w to operat	te the above <sup>-</sup>	two func	tions.		
1. Save pro	ject function						
Step 1. Com	plete the module	search					
DCON Utility Pro PC V	4.0.0.1						
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COM13:* 8704:701:A:0:NX 87082:03:A:0 87082:03:A:0 87028U:04:A: 87028U:04:A: 87013:05:A:0 tR5:03:60:N81:1 - COM1 - 7028:01:6:0:N81:1 - 7026:03:60:N81:1	ID         Ad           00:N81:0         -87017Z         2[           00:N81:0         -87017Z         2[           00:N81:0         -8708Z         3[           00:N81:0         -87028U         4[           00:N81:0         -87013         5[           1         1         -87013         5[	dress         Baud Rate           01h]         115200           02h]         115200           03h]         115200           04h]         115200           05h]         115200           03h]         9600	Checksum Format Disabled N,8,1 Disabled N,8,1 Disabled N,8,1 Disabled N,8,1 Disabled N,8,1 Disabled N,8,1	Status Auto Config. Ena. 87PN Slot 0 87PN Slot 1 87PN Slot 2 87PN Slot 3 Remote I/O	Description [DCON]4*Slot Auto Configu [DCON]10/20 *AI(mA,mV,V [DCON]2*Counter/Frequenc [DCON]8*AO (V) [DCON]4*AI (RTD) [Modbus RTU]5*DO (Relay I	ration Remote ')Differential/Si :y + 2*DO DO)	Comments Supported . Supported Supported Supported Supported Supported
DCON Utility Pro PC V 4	4.0.0.1			10			
<ul> <li>RU-87P4:01:A:0:N8:</li> <li>-87017Z:02:A:0</li> <li>-87082:03:A:0:I</li> <li>-87028U:04:A:C</li> <li>-87012:05:4:0:I</li> </ul>	11:0 0:N81:0 0:N81:0 0:N81:0 0:N81:0 0:N81:0 0:N81:0	1h] 9600 3h] 9600	Disabled N,8,1 Disabled N,8,1	Remote I/O Remote I/O	[Modbus RTU]8*AO (V/mA) [Modbus RTU]2*AO + 6*AI +	⊦ 3*DO + 3*	Supported Supported
7026:03:6:0:N81:1	J						



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# Step 3: Select the "Save Project" function



When saving the I/O settings as a project and saving related files, enter some project remarks, which will help you understand the content of the project in the future. It will display the path of the project file after saving.

Add some comments to project	
Version = DCON Utility Pro PC V 4.0.0 Date Time = 2020/10/19 Description = Application for XXX build	0.1 ding
ОК	Cancel
Saved successfully	×
Project D:\martin\V4\DCON_Utility_F been saved	Pro\search\project\application_1\ has
	確定

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The"Search	and Get I/O Configu 40.01 CMP CMP CMP CMP CMP CMP CMP CMP CMP CMP	rations"in  Tations"in  Tations"in  Baud Rate Checks  earch Options  Rate Protocol  115200 5760 9600 4800 rch RU-87PN Addu rch And Get I/O C tart Search	COM Port se	Descri Descri d 255 9200 200 ms <b>Exit</b>	ption	Comments	
Clear							

If all the modules have been configured before running DCON Utility Pro, we can enable the COM port search option "Search and Get I/O Configurations" function, it can directly read the settings of the I/O module at the moment when the I/O module is searched, and can directly save the configuration results as a project after searching process is finished, which can save much time because we don't need to open the configuration form for each module.

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# 2. Load project function



To execute the "Load Project" function, you will need to open the COM Port and check whether the module and settings are consistent with the status when the project was previously saved. Therefore, to execute the function of loading the project, it needs to shut down the program in order to make sure the COM port is closed.

# Step 1: View the previous comments.



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### Step 2: Restore the previous search results, and check whether the internal settings of the module

are the same as the project content

DCON Utility Pro PC V 4.0.0.1 Load project	t D:\martin\V4\DCO	N_Utility_Pro\search	\project\applica	tion_1\ap	olication_1.txt			<u> </u>
					AQ			
COM1	ID Add	dress Baud Rate	Checksum	Format	Status	Description		Comments
-7026:03:6:0:N81:1:Matched	RU-87P4 1[0] -87017Z 2[0]	115200 2h] 115200	Disabled	N,8,1 N,8,1	Auto Config. Ena 87PN Slot 0	[DCON]4*Slot Auto Co [DCON]10/20 *AI(mA	mV,V)Differential/Si	Matched Matched
B-RU-87P4:01:A:0:N81:0:Matched	-87082 3[0	3h] 115200	Disabled	N,8,1	87PN Slot 1	[DCON]2*Counter/Fre	quency + 2*DO	Matched
	-87028U 4[04	14h] 115200	Disabled	N,8,1	87PN Slot 2	[DCON]8*AO (V)		Matched
-87082:03:A:0:N81:0:Matched	-87013 5[0	115200 [15h]	Disabled	N,8,1	87PN Slot 3	[DCON]4*AI (RTD)		Matched
	tR5 3[0	3h] 9600	Disabled	N,8,1	Remote I/O	[Modbus RTU]5*DO (F	Relay DO)	Matched
tR5:03:6:0:N81:1:Matched								
COM port I/O list	DN_Utility_Project\application_1\application_1.txt       Configurations loaded from module     Configurations loaded from file       VERSION = 0A01     VERSION = 0A01							vaded from file
-7028:01:6:0:N81:1:Matched -7026:03:6:0:N81:1:Matched ⊕ COM13 ⊕ -RU-87P4:01:A:0:N81:0:Matched - 870172:02:A:0:N81:0:Matched - 87028U:04:A:0:N81:0:Matched - 87013:05:A:0:N81:0:Matched - 47028U:04:A:0:N81:0:Matched - 470:03:6:0:N81:1:Matched	GECMM GET_MODE GET_MODE GET_CH0_ GET_CH1_ GET_CH0_ GET_CH0_ GET_CH0_ GET_CH0_ GET_CH0_ GET_CH0_ GET_CH1_ GET_CH0_ GET_CH1_ GET_CH0_ GET_	VERSION = 0.401 GET_COMMUNICATE_PARAMETER = Baud rate 9600  Format N81 GET_MODBUS_MISC = Fast Mode, 60H2 Filter GET_MODBUS_DATAFORMAT = 2's Complement Format GET_CH0_AO_TYPE_CODE = (0.3h)+/-1 0 V GET_CH0_AO_TYPE_CODE = (0.3h)+/-1 0 V GET_CH0_AO_TYPE_CODE = (0.3h)+/-1 0 V GET_CH1_AO_TYPE_CODE = (0.3h)+/-1 0 V GET_CH1_AO_TYPE_TS Complement Format,0h GET_CH1_AO_FOR_SAFE = 2's Complement Format,0h GET_CH1_AO_FOR_POWER = 2's Complement Format,0h GET_CH1_AO_FOR_POWER = 2's Complement Format,0h GET_CH1_NPUT_RAINGE = (0.8h) GET_CH1_NPUT_RAINGE = (0.8h) GET_CH3_INPUT_RAINGE =						PARAME IEK = Ballo face 96001 Format NB1 FASK Mode, 604F Filter ORMAT = 2's Complement Format CODE = [03h]+/-10 V RATE = [00h]mmediate CODE = [03h]+/-10 V RATE = 2's Complement Format,0h AFE = 2's Complement Format,0h AFE = 2's Complement Format,0h OWER = 2's Complement Format,0h UNER = 2's Complement Format,0h GUE = [08h] IGE = [08h] ENABLE_STATUS = Disable ENABLE_STATUS = Disable ENABLE_STATUS = Disable ENABLE_STATUS = Disable M_LIMIT = -10000 M IMUT = 10000

# On the left is the project's COM port and I/O tree list.



The setting details obtained from the module.

Details of the module settings loaded from project file.

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# Abnormal situations which will be found when using the load project function

**Condition 1:** All modules exist and the communication parameters are correct, but the module settings are different

If the field module has been replaced due to damage or has been adjusted, it will be checked whether the current module is the same as the previously saved setting when loading the project. If the setting does not match, it will be highlighted.



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### Condition 2: COM Port does not exist or has been changed

Load the project and find an error that the COM port no longer exists. This type of error usually occurs when changing to a new PC and reinstalling the USB converter. The setting content cannot be obtained from the module due to a COM port error, and the "Configuration loaded from the module" area is empty.

COM port I/O list	Configurations loaded from module	Configurations loaded from file
COM1     -7028:01:6:0:N81:1:Matched     -7026:03:6:0:N81:1:Settings unmatched     COM13:Not exist     -RU-8704:01:A:0:N81:0:Port 13 not exist     -870172:02:A:0:N81:0:Port 13 not exist     -87082:03:A:0:N81:0:Port 13 not exist     -87082:00:A:0:N81:0:Port 13 not exist		VERSION = A106 GET_COMMUNICATE_PARAMETER = Baud rate 9600  Format N81 GET_DO_POWER_ON = 3h GET_DO_SAFE_VALUE = 18h GET_WDT_IMER = 25sec GET_WDT_IMER = 5sec GET_WDT_OVERWRITE = Enabled GET_RESPONSE_DELAY_TIME = 5ms

### Condition 3: The original module no longer exists

Can't find the module, probably due to

1. The module is damaged and cannot communicate.

2. The communication parameters of the module are wrong (including wrong network address/baud

rate/checksum/parity format/protocol), or the module is connected to the wrong COM port. Use the search function to find the module.

	Configurations loaded from module	Configurations loaded from file
COM port I/O list 7028:01:6:0:N81:1:Module not found 7026:03:0:N81:1:Matched 7026:03:0:N81:0:Matched 870172:02:A:0:N81:0:Matched 870280:04:A:0:N81:0:Matched 87013:05:A:0:N81:0:Matched 4R5:03:6:0:N81:1:Matched		VERSION = A202           GET_COMMUNICATE_PARAMETER = Baud rate 96001 Format.           GET_COMMUNICATE_PARAMETER = Baud rate 96001 Format.           GET_COM_A0_TYPE_CODE = [04h]0 ~ +5 V           GET_CH1_A0_SLEW_RATE = [00h]/+5 V           GET_CH2_A0_TYPE_CODE = [05h]/+5 V           GET_CH3_A0_TYPE_CODE = [05h]/+5 V           GET_CH3_A0_TYPE_CODE = [05h]/+5 V           GET_CH3_A0_TYPE_CODE = [05h]/+5 V           GET_CH3_A0_TYPE_CODE = [05h]/+5 V           GET_CH4_A0_TYPE_CODE = [05h]/+5 V

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Condition 4:	The original module h	as been re	placed with a	nother n	n <b>odel</b> Find anothe	r modul	e with the
same commu	inication parameters.	For example	e, the original	project	planned to use two	o chann	els of M-7028
to provide +/	- 10V output. One day	it was dam	naged. Someor	ne used I	M-7024 to replace	the +/-	10V output

of M-7028. The system can work normally, but using the "Load Project" function will find out the differences with the project planning content.

DCON Utility Pro PC V 4.0.0.1 Load projec	t D:\martin\V4	DCON_Uti	lity_Pro\search\	project\applic	ation_1\ap	plication_1.txt	Annew States	
i 🕨 🗉 🖻	CMD		<b>*1</b>			FAQ		
COM1	ID	Address	Baud Rate	Checksum	Format	Status	Description	Comments
- 7028:01:6:0:N81:1:[7024]Module ur	RU-87P4	1[01h]	115200	Disabled	N,8,1	Auto Config. Ena	[DCON]4*Slot Auto Configuration Remote	Matched
COM13	-87017Z	2[02h]	115200	Disabled	N,8,1	87PN Slot 0	[DCON]10/20 *AI(mA,mV,V)Differential/Si	Matched
E-RU-87P4:01:A:0:N81:0:Matched	-87082	3[03h]	115200	Disabled	N,8,1	87PN Slot 1	[DCON]2*Counter/Frequency + 2*DO	Matched
-87017Z:02:A:0:N81:0:Matched	-87028U	4[04h]	115200	Disabled	N,8,1	87PN Slot 2	[DCON]8*AO (V)	Matched
-87082:03:A:0:N81:0:Matched	-87013	5[05h]	115200	Disabled	N,8,1	87PN Slot 3	[DCON]4*AI (RTD)	Matched
	tR5	3[03h]	9600	Disabled	N,8,1	Remote I/O	[Modbus RTU]5*DO (Relay DO)	Matched
-87013:05:A:0:N81:0:Matched								
   Search Project file = D:\martin\V4\DCO	 N_Utility_Pro\;	search\proj	ect\application_	1\application	_1.txt			
 Search Project file = D:\martin\V4\DCO DM port I/O list	N_Utility_Pro\ <b>Con</b>	search\proj	ect\application_ ns loaded fr	_1\application	_1.txt		Configurations lo	paded from file
Search Project file = D:\martin\V4\DCO M port I/O list COM1 -7028:01:6:0:N81:1:[7024]Module ur	N_Utility_Pro\ Con	search\proj	ect\application_ ns loaded fr	_1\application	_1.txt		Configurations lo	paded from file
Search Project file = D:\martin\V4\DCO <b>M port I/O list</b> 0011 -7028:01:6:0:N8111:[7024]Module ur -7020:03:00:N8111:Matcheu	N_Utility_Pro\ Con	search\proj	ect\application ns loaded fr	1\application	1.txt		Configurations lo VERSION = A202 GET_COMMUNICATE GET_COMMUNICATE GET_COMPUS_DATIAL	paded from file PARAMETER = Baud rate 9600  Format   FORMAT = Engineering Format
Search Project file = D:\martin\V4\DCO M port I/O list COM1 -7028:01:6:0:N81:1:[7024]Module ur -7020:03:0:0:N81:1:[Matchreu COM13 -7020:0:0:N81:1:[Matchreu COM13 -7020:0:0:N81 -7020:0:0:N81:1:[Matchreu COM13 -7020:0:N81:1:[Matchreu COM13 -7020:0:N81:1:[Matchr	N_Utility_Pro\ Con	search\proj	ect\application ns loaded fr	1\application	_1.txt		Configurations lo VERSION = A202 GET_COMMUNICATE GET_CHO_AO_TYPE GET_CHO_AO_TYPE GET_CHO_AO_SLEW	paded from file PARAMETER = Baud rate 9600  Format F FORMAT = Engineering Format CODE = [04h]0 ~ + 5 V BATE = [04h]mmediate
Search Project file = D:\martin\V4\DCO M port I/O list -7028:01:6:0:N81:1:[7024]Module ur -7020:03:0:0:N81:1:IMatCireu 0M13 -RU-87P4:01:6:0:N81:0:Matched	LUtility_Pro\ Con	search\proj	ect\application_	1\application	1.txt		Configurations lo VERSION = A202 GET_COMMUNICATE GET_MODBUS_DATAI GET_CH0_AO_TYPE_ GET_CH0_AO_SLEW GET_CH1_AO_TYPE	PARAMETER = Baud rate 9600  Format FORMAT = Engineering Format CODE = [04h]0 ~ +5 V RATE = [00h]mmediate CODE = [05h]/4 - 5 V
Search Project file = D:\martin\V4\DCO M port I/O list -7028:01:6:0:N81:1:[7024]Module ur -7020:03:6:0:N81:1:Matched -RU-87P4:01:A:0:N81:0:Matched -870172:02:A:0:N81:0:Matched -870172:02:A:0:N81:0:Matched	N_Utility_Pro\ Con	search\proj	ect\application_	1\application	1.txt		Configurations lo GET_COMMUNICATE GET_MODBUS_DATAI GET_CH0_AO_TYPE GET_CH1_AO_SLEW GET_CH1_AO_SLEW GET_CH1_AO_SLEW	PARAMETER = Baud rate 9600  Format FORMAT = Engineering Format CODE = [04h]0 ~ +5 V RATE = [05h]nmedate CODE = [05h]n-/-5 V RATE = [05h]0.0625 V/sec
Search Project file = D:\martin\V4\DCO IM port I/O list COM1 - 7028:01:6:0:N81:1:[7024]Module ur - 7028:03:60:N81:1:Matched 87082:03:A:01N81:0:Matched 87082:03:A:01N81:0:Matched 87082:03:A:01N81:0:Matched	N_Utility_Pro\ Con	search\proj	ect\application_	_1\application	1.txt		Configurations lo VERSION = A202 GET_COMMUNICATE GET_CHO_AO_TYPE GET_CHO_AO_TYPE GET_CHO_AO_SLEW, GET_CH1_AO_SLEW, GET_CH1_AO_SLEW, GET_CH2_AO_SLEW, GET_CH2_AO_SLEW, GET_CH2_AO_SLEW,	PARAMETER = Baud rate 9600  Format FORMAT = Engineering Format CODE = [04h]0 ~ + 5 V RATE = [00h]mmediate CODE = [05h]+/- 5 V RATE = [01h]-0.625 V/Jsec CODE = [05h]+/- 5 V RATE = [01h]-0.625 V/Jsec
Search Project file = D:\martin\V4\DCO M port I/O list COM1 -7028:01:6:0:N81:1:[7024]Module ur -7028:03:0:0:N81:1:MatChed -87082:03:A:0:N81:0:Matched -87082:03:A:0:N81:0:Matched -87082U:04:A:0:N81:0:Matched -87082U:04:A:00*040	N_Utility_Pro\ Con	search\proj	ect∖application <u>,</u> ns loaded fr	_1\application	1.txt		Configurations lo VERSION = A202 GET_COMMUNICATE GET_MODBUS_DATAI GET_CH0_A0_TYEE GET_CH1_A0_TYEE GET_CH1_A0_SLEW GET_CH2_A0_TYEE GET_CH2_A0_TYEE GET_CH2_A0_TYEE GET_CH3_A0_TYPE	PARAMETER = Baud rate 9600  Format FORMAT = Engineering Format CODE = [04h]0 ~ +5 V RATE = [00h]Immediate CODE = [05h]/4 -5 V RATE = [01h]0.0625 V/sec CODE = [05h]/4 -5 V RATE = [01h]0.0625 V/sec CODE = [05h]/4 -5 V
Search Project file = D:\martin\V4\DCO M port I/O list COM1 -7028:01:6:0:N81:1:[7024]Module ur -7028:03:6:0:N8110:MatChed -870172:03:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -87028U:04:A:0:N81:0:MatChed -78:03:6:0:N81:1:MatChed	N_Utility_Pro\ Con	search\proj	ect∖application <u>,</u> ns loaded fr	_1\application	1.txt		Configurations lo GET_COMMUNICATE_ GET_COMMUNICATE_ GET_CH0_AO_TYPE_ GET_CH0_AO_TYPE_ GET_CH1_AO_TYPE_ GET_CH1_AO_TYPE_ GET_CH2_AO_TYPE_ GET_CH3_AO_TYPE_ GET_CH3_AO_SLEW_	PARAMETER = Baud rate 9600  Format   FORMAT = Engineering Format CODE = [04h]0 ~ +5 V RATE = [00h]mmediate CODE = [05h]/-5 V RATE = [01h]0.0625 V/sec CODE = [05h]/-5 V RATE = [01h]0.0625 V/sec
Search Project file = D:\martin\V4\DCO M port I/O list COM1 - 7028:01:6:0:N81:1:[7024]Module ur -7028:03:0:N81:1:Matched - 87082:03:A:0:N81:0:Matched - 87082:03:A:0:N81:0:Matched - 87082:03:A:0:N81:0:Matched - 87013:05:A:0:N81:0:Matched - 487013:05:A:0:N81:0:Matched - 48703:05:A:0:N81:0:Matched - 48703:05:0:N81:0:Matched - 48703:05:0:M81:0:Matched - 48703:05:0:M81:0:M81:0:M81:0:M81:0:M81:0:M81:00:M81:0:M	N_Utility_Pro\ Con	search\proj	ect∖application, ns loaded fr	_1\application	_1.txt		Configurations lo VERSION = A202 GET_COMMUNICATE GET_MODBUS_DATAI GET_CH0_A0_TYPE GET_CH0_A0_TYPE GET_CH1_A0_TYPE GET_CH1_A0_TYPE GET_CH2_A0_TYPE GET_CH2_A0_SLEW GET_CH3_A0_SLEW GET_CH3_A0_SLEW GET_CH3_A0_SLEW GET_CH3_A0_SLEW GET_CH3_A0_SLEW GET_CH3_A0_SLEW GET_CH4_A0_SLEW GET_CH4_A0_SLEW GET_CH4_A0_SLEW	PARAMETER = Baud rate 9600  Format           CORMAT = Engineering Format           CORMAT = Engineering Format           CODE = [04h]0 ~ + 5 V           RATE = [00h]mmediate           CODE = [05h]+/- 5 V           RATE = [01h]0.0625 V/sec           CODE = [05h]+/- 5 V           RATE = [01h]0.0625 V/sec           CODE = [05h]+/- 5 V           RATE = [01h]0.0625 V/sec           CODE = [05h]+/- 5 V           RATE = [01h]0.0625 V/sec           CODE = [05h]+/- 5 V           RATE = [01h]0.0625 V/sec           RATE = [01h]mmediate           RATE = [01h]mmediate
Search Project file = D:\martin\V4\DCO <b>M port I/O list</b> COM1 -7028:01:6:0:N81:1:[7024]Module ur -7020:03:00:N81:1:Matched 0.0013 -87082:03:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:N81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:0:Matched -870820:04:A:0:M81:04:Matched -870820:04:A:0:M81:04:Matched -870820:04:A:0:M81:04:Matched -870820:04:A:0:M81:04:Matched -870820:04:A:0:M81:04:M81:04:M81:04:M81:04:M81:04 -870820:04:A:0:M81:04:M81:	Con matche	search\proj	ect\application_	1\application	_1.txt		Configurations lo VERSION = A202 GET_COMMUNICATE GET_MODBUS_DATAI GET_CH0_A0_TYPE_ GET_CH1_A0_SLEW, GET_CH1_A0_SLEW, GET_CH2_A0_TYPE_ GET_CH2_A0_TYPE_ GET_CH3_A0_TYPE_ GET_CH3_A0_TYPE_ GET_CH4_A0_TYPE_ GET_CH4_A0_TYPE_ GET_CH4_A0_TYPE_ GET_CH4_A0_SLEW, GET_CH4_A0_SLEW,	PARAMETER = Baud rate 9600  Format   FORMAT = Engineering Format CODE = [04h]0 ~ + 5 V RATE = [01h]0.0225 V/sec CODE = [05h]+/- 5 V RATE = [01h]0.0625 V/sec CODE = [05h]+/- 5 V RATE = [01h]0.0625 V/sec CODE = [05h]+/- 5 V RATE = [01h]0.0625 V/sec CODE = [05h]+/- 5 V RATE = [00h]Immediate CODE = [05h]+/- 5 V

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### Condition 5: There are additional modules added

"Load Project" can help users compare and find the differences between the site and the content of the project, but they cannot find the differences between additional modules not included in the original project. For example, initially there are two modules (M-7028 and M-7026) connected to COM1. If another M-7024 is added to COM1, there is no way to find the difference when using the "Load Project" function to check.

Join porci / O list							
<ul> <li>→ COM1</li> <li>→ -7028:01:6:0:N81:1:Matched</li> <li>→ -7026:03:6:0:N81:1:Matched</li> <li>→ -RU-87P4:01:A:0:N81:0:Matched</li> <li>→ -870172:02:A:0:N81:0:Matched</li> <li>→ -87028U:04:A:0:N81:0:Matched</li> <li>→ -87013:05:A:0:N81:0:Matched</li> <li>→ -RU-30:05:A:0:N81:1:Matched</li> </ul>	hed atched iched atched iched iched						
₹ ▶ ॥ 🖻	СМД	<b>I</b>	-			AQ	
₽- <mark>COM1:*</mark>	ID	Address	Baud Rate	Checksum	Format	Status	Description
7028-01-6-0-181-1	7028	1[01h]	9600	Disabled	N,8,1	Remote I/O	[Modbus RTU]8*AO (V/mA)
/024:02:0:0:N81:1	7024	2[02h] 3[03h]	9600	Disabled	N.8.1	Remote I/O	[Modbus RTU]2*AO + 6*AI + 3*DO + 3*

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## <u>Note 1:</u>

## a. <u>Save a backup copy of DCON Utility Pro and the project.</u>

The content of the I/O project will be stored in the path

DCON\_Utility\_Pro \ search \ project.

It is recommended to back up DCON Utility Pro together with the stored project as a copy to avoid compatibility issues caused by future revisions of DCON Utility Pro.

## b. Zip compression tool can be used to encrypt project content

Customers can put relevant project files such as configuration drawings, purchase documents, etc. together with the project folder generated by DCON Utility Pro and use a compression tool to encrypt and compress to protect the content of the relevant data.

Case01.zip				· · · · · · · · · · · · · · · · · · ·		
壓縮檔格式(F):	zip	~	更新棋式(U):	加入並取代檔案 ~		
壓縮層級(L):	一般壓縮	~	路徑模式:	相對路徑 ~		
壓縮方式(M):	Deflate	~	選項			
字典大小(D):	32 KB	~	□ 建立自解壓縮	'櫙(X)		
字組大小(W):	32	~	□ 壓縮共用幅蒸	· · · · · · · · · · · · · · · · · · · ·		
结审隔塊大小		(				
CPII 编程曲·	<b>c</b>	16	加密 輸入変碼:			
CFU BRIEBS.	0	/ 0	***			
壓縮時記憶體使用:		195 MB	重新輸入密碼:			
解壓縮時記憶體使用:		2 MB				
分割壓縮檔,位元組(V	): 		□顯示密碼(S)			
<u> </u>		~	加密方法:	ZipCrypto V		
3*90((r):						
			確定	取消 說明		
			•			

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Note 2: If you search and set the I-87K module on the backplane slot on the PAC platform and execute the "Save Project" function, the settings of the I/O module on the backplane will be saved to the auto\_config\ path at the same time.

Use the tool "Restore For Backplane I-87K I/O" can be used to restore the backplane I-87K module settings.

Restore For Backplar	ne I-87K I/O	× ×		
Restore Configura	tion Details of	I/O Setting Configured Result Commands Log	About	
Scaned I/O	Slot	Configured Status	Setting details	
87082	Slot:1	-	Show	Restore
	Slot:2	-	Show	Restore
87013	Slot:3	-	Show	Restore
87028U	Slot:4	55	Show	Restore
8050	Slot:5	Parallel I/O. No need to configure	Show	Restore
8046	Slot:6	Parallel I/O. No need to configure	Show	Restore
8014	Slot:7	Parallel I/O. No need to configure	Show	Restore
Scan backpla	ne I/O			