BACnet/IP Gateways



GW-5492 與 GW-5493 常見問題

1.	如何透過 ICDT BACnet Pioneer 測試 GW-549x?1
2.	如何透過 BACnet Visual Test Shell (VTS) 測試 GW-549x?5
3.	如何將登入的帳號與密碼回復為預設值?(2023/02/11, Johney)13
4.	在 GW-5492 模組 · 為什麼我按 BACnet 的 Start 按鈕後 · 它會再回到 Stop 狀態?(2023/04/15,
Jol	hney)14
5.	為什麼 GW-5492 與 GW-5493 模組無法被 Yabe 軟體找到?(2023/05/22, Johney)15
6.	GW-5492 與 GW-5493 模組 [,] 將一個 Modbus 暫存器分配給兩個以上 BACnet 物件是會有問題
的	[,] 為什麼呢?(2023/06/19, Johney)16

1. 如何透過 ICDT BACnet Pioneer 測試 GW-549x?

ICDT BACnet Pioneer 是元米科技提供的免費測試軟體,將以GW-5492控制 M-7055D(Modbus/RTU Slave)的DO[0]並讀回DI[0]為例,GW-5493與Modbus/TCP Slave亦可依此流程測試:

(1) 安裝軟體 ICDT BACnet Pioneer

http://www.icdt.com.tw/main/index.php/2013-07-09-05-16-50/2013-07-18-14-43-35/file /24-bacnetpioneerv1001

相關資訊請參閱<u>元米科技</u>:<u>http://www.icdt.com.tw</u>

- (2) 將 M-7055D 的 Ext.PWR 接 *電源+24VDC*、DO.GND 與 DI.COM 接 *電源地*、DO0 接
 - DIO,開啟電源並接上網路線。
- (3) 設置 GW-5492 的 BOO 對應 M-7055 的 DOO、BIO 對應 M-7055D 的 DIO。

- Devices	Modbus-			TOP										
M-7055D	ID M-7055	U.	13	/pe ICP										
	Commu	inication —	n											
	TCP Ad	dress		Port CO	Port COM1 Unit									
	Point-													
			Add											
	ID	Address	Count	Туре	Type Define	Sampling(ms)	TimeOut(ms)	ScaleFactor	Intercept	Low	Hi Read/V	Vrite Del		
	DIO	0	1	DISCRETE INPUT	BIT	1000	7000	1	0		Read	Del		
	DOO	0	1	COIL	BIT	1000	7000	1	0		Write	Del		
				·										
	Save	Delete												

MultiStateOutput	Mapping			0.000	1									
MultiStateInput	Object Type Binary	Input		Save	J									
MultiStateValue	BACnot Object Mer	oning												
Analogvalue														
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinquish De					
Anaioginput Binarydnnut	BI0	M-7055D	DIO	0	BIO	0	0	NO UNITS	0					
BinaryOutput														
BinaryValue														
MultiStateOutput	Mapping — — —				2									
MultiStateInput	Object Type Binary	Output		Save										
−MultiStateValue														
-AnalogValue	BACnet Object Ma	oping												
AnalogOutput	Object Identifier	Device	Point	Index	Obiect Name	COV Increment	COVPeriod(sec)	Unit	Relinguish De					
AnalogInput	BOD	M-7055D	DOD	0	B00	Ω	0		0					
BinaryInput		101-10550	000	0	500	0	0							
BinaryOutput														
BinoryValue														

詳細設定與流程請參閱手冊:

GW-549x:

http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/ bacnet_ip/gateway/gw-5492.html

ftp://ftp.icpdas.com.tw/pub/cd/fieldbus_cd/bacnet/gateway/gw-5493/manual

M-7055D :

http://www.icpdas.com/root/product/solutions/remote_io/rs-485/i-7000_m-7000/i-7055.html

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/manual/7000dio.pdf

(4)執行 ICT BACMEt 找出本機及GW-5492 的 Device ID/Instance(預設 3577)。選 3577:

X BACnet Pioneer	
Found 2 devices !	

(5) 點選 Device 3577(.....) · 啟動掃描 GW-5492 物件。



(7) 雙擊 Present Value,設置 BOO 為 Active。注意 Out Of Service 是 False。



(8) 點選 BINARY INPUT→0→Present Value · 確認 BIO 為 Active ·

- 注意 Out Of Service 是 False。
- ICDT Pioneer 必須點選項目,該項目數值才會更新。

💥 BACnet Pior	ieer 📃 🗖 🔀									
i 🔎 3577	• 🕨 🔚 🔅 🛃 🕦									
🖃 💿 Device 35	77(192.168.255.1)									
	CE									
• 3577										
😑 💿 BINARY INPUT										
⊡ … ● 0										
0	Active Text : BIOActiveText									
0	Description : BINARYINPUT									
	Event State : Normal									
0	Inactive Text : BI0InactiveText									
0	Object Identifier : BINARY INPUT 0									
	Object Name : BIO									
0	Object Type : Emary Input									
0	Out Of Service : False									
	Polarity : Normal									
	Present value : Active									
	Kenability . No Fault Delected Status Flags : In Alarm-Falce Fault-Falce Outwiddan-Falce Out Of Service-Falce									
B. BINA	DIAIUS PIAGS : IN AIAINI-PAISE PAUL-PAISE OVERNAUEN-PAISE OUI OF SERVICE-PAISE									
	KI 001101									
	Active Text : BODActiveText									
	Description : BINARYOUTPUT									
	Event State : Normal									
0	Inactive Text : BO0InactiveText									
0	Object Identifier : BINARY OUTPUT 0									
0	Object Name : BINARYOUTPUT									
	Object Type : Binary Output									
0	Out Of Service : False									
0	Polarity : Normal									
0	Present Value : Active									
@	Priority Array : 16									
	Reliability : No Fault Detected									
0	Relinquish Default : Active									
i 💿	Status Flags : In Alarm=False Fault=False Overridden=False Out Of Service=False									
BINARY INPUT-0	Present Value : Active									

2. 如何透過 BACnet Visual Test Shell (VTS) 測試 GW-549x?

以Visual Test Shell (VTS)透過GW-5492控制M-7055D(Modbus/RTU Slave)的 DO[0]並讀回DI[0]為例。GW-5493與Modbus/TCP Slave亦可依此流程測試:

(1) 取得 Visual Test Shell (VTS), 請參考網址:

<u>http://vts.sourceforge.net/</u> 或 <u>http://sourceforge.net/projects/vts</u>

(2) 將 M-7055D 的 Ext.PWR 接 *電源+24VDC*、DO.GND 與 DI.COM 接 *電源地*、DO0 接

DIO,開啟電源並接上網路線。

(3) 設置 GW-5492 的 BOO 對應 M-7055 的 DOO、BIO 對應 M-7055D 的 DIO。

Devices	Modbus	iD	Ту	ире ТСР										
	TCP Ad	dress		Port COM1 Unit										
	Point -		Add]										
	ID Address		Count	Туре	Type Define	Sampling(ms)	TimeOut(ms)	ScaleFactor	Intercept	Low	Hi	Read/Write	Del	
	DID	0	1	DISCRETE INPUT	BIT	1000	7000	1	0			Read	Del	
	DOO	0	1	COIL	BIT	1000	7000	1	0			Write	Del	
	Save	Delete											Þ	

MultiStateOutput	Mapping												
MultiStateInput	Object Type Binary	Input		Save	Save								
−MultiStateValue													
−AnalogValue	BACnet Object Mapping												
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinguish De				
Analoginput	BD	M-7055D	חוח	Π	BIO	Π	0	NO UNITS	0				
BinaryInput			010	-	510	0	0						
BinaryOutput													
Binary∀alue													
	Manualian.												
l ‱MultiStateΩutnut II	utput Mapping												
Manotateodipat	mapping				1								
MultiStateInput	Object Type Binary	Output		Save]								
MultiStateCuput MultiStateInput MultiStateValue	Object Type Binary	Output		Save]								
MultiStateInput MultiStateValue AnalogValue	Object Type Binary BACnet Object Map	Output oping		Save]								
MultiStateIonput MultiStateValue AnalogValue AnalogOutput	Object Type Binary BACnet Object Mag	Output oping Device	Point	Save	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinguish De				
MultiStateInput MultiStateValue AnalogValue AnalogOutput AnalogInput	Object Type Binary BACnet Object Mar Object Identifier	Output oping Device	Point	Save Index	Object Name	COV Increment	COVPeriod(sec)	Unit NO LINITS	Relinquish De				
MultiStateInput — MultiStateValue — AnalogValue — AnalogOutput — AnalogInput — BinaryInput	Object Type Binary BACnet Object Map Object Identifier BO0	Output oping Device M-7055D	Point DO0	Save Index O	Object Name BO0	COV Increment	COVPeriod(sec) 0	Unit NO UNITS	Relinquish De O				
MultiStateInput —MultiStateValue —AnalogValue —AnalogOutput —AnalogInput —BinaryInput —BinaryOutput	Object Type Binary BACnet Object Map Object Identifier BO0	Output oping Device M-7055D	Point DO0	Save Index O	Object Name BO0	COV Increment	COVPeriod(sec) 0	Unit NO UNITS	Relinquish De O				

詳細設定與流程請參閱手冊:

GW-549x :

http://www.icpdas.com/root/product/solutions/industrial_communication/fieldbus/ bacnet_ip/gateway/gw-5492.html

ftp://ftp.icpdas.com.tw/pub/cd/fieldbus_cd/bacnet/gateway/gw-5493/manual

M-7055D :

http://www.icpdas.com/root/product/solutions/remote_io/rs-485/i-7000_m-7000/i-7055.html

http://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/manual/7000dio.pdf

(4)執行 💦 VISANT or BACnet 。如果您 VTS 已設置 Devices、Ports、Names,請跳至步驟(8)。

(5) 點選 Edit(Devices...,設置 Name 為 MyDevice、Instance 為 1111,按下 OK。



(6) 點選 Edit→Ports...,按下 New 按鈕,設置:

- Name 設為 *MyPort*; 勾選 *EnabLe*
- Network 設為1; 選擇 MyDevice
- IP 頁籤 Interface 選擇可與 GW-5492 通訊網路介面
- 按下 OK 或 Apply 繼續

😵 Y TS - [vts3.cfg]														
File	Ed	lit <u>V</u> iew	<u>S</u> end	EPICS	<u>T</u> es	ts <u>H</u> elp								
0		Delete All	Packets	: Ctrl+D		6	K 🖻 📰	8 🛛						
Ē	_	<u>R</u> efresh			_	₽ (P								
No.	_	De <u>v</u> ices					Destination	SNET	SADDR	DNET	DADDR	Service Type		
		Por <u>t</u> s												
		<u>N</u> ames Chon m L	- ofilo											
		Capture F	ilter											
		Display <u>F</u> i	lter											
	-	Preference	s				Port Co	firmatio						
	-	-					Pon Co	niguiano	Ш			_		
							Name		Туре	Config	Sta	itus	New	
							⊖Му	Port	IP	0xBAC0;	Realte Ne	w L	Dalata	
												_		
												_		
													OK	
													Cancel	
							Namo	MuRort				Enable -	Applu	
							<u>N</u> ame.	myr or						
							Network	c [I	MyDev	rice	_			
							Null	IP	Ethernet	ARCNET	MSTP PTP			
							Interfa	ce Realte	k R TL 8168	C(P)/8111C(P) PCI-E Gigal	oit Ethernet NIC	- Packe 💌	
								out OxBA	CO	Usually 0xB	ACO (47808)			
							O Ra	W		U = dynamic	ally assigned			
							C B1	R (Annex-J	<u>I</u>)	BTR <u>P</u> eer	S			
							C BE	MD (Anne:	к- <u>Л</u>	BBMD Pee	rs			
							● <u>B</u> /. ○ E:	P (Annex-J) . /A D					
							0 <u>1</u> 0 u	eign Device	e (Annex-1)	Time t	o-live:	_		
	Host: j <u>I</u> me-to-hve: j													
	0.0.0.0[nttosk][.por(
<														>
Edit t	the p	ort definiti	ons incl	uding ac	tivati	ng and de	eactivating p	orts.					NU	М //

(7) 點選 Edit→Names..., 按下 New 按鈕, 設置:

- Address Type 選擇 Local Station
- Name 設為 GW-5492
- Port 選擇 MyPort
- Address 設置 GW-5492 的 IP 192.168.255.1:47808(GW-5492 預設值)
- 按下 **OK** 繼續。

註:TD 為本機,不可移除。

	7TS - [vts3.cfg	đ											
File	Edit View S	end	EPICS	<u>T</u> ests	<u>H</u> elp								
D	Delete All Pa	ckets	Ctrl+D	4	5 ox	PE	8 🔚						
B	<u>R</u> efresh			- 70	f} {	0							
No.	De <u>v</u> ices				E	estination	SNET	SADDR	DNET	DADDR	Service Type	:	
	Por <u>t</u> s												
	<u>N</u> ames Chonge Loge	eile.											
	Capture Filte	пе											
	Display <u>Filter</u>	r											
	Preferences												
				_									
					N	ames							
					_	Name		Port	Network	Address	20,47000	Ne <u>w</u>	
						GW-5492		MyPort MyPort		192.168.20	.20:47808 5.1:47808	Delete	
					_							mport	
												Export	
					'								
						-Address <u>T</u>	уре		Name	GW-5492		Cancel	
						O Null			- Dest	, MuReet			
						C Loca	Il Broadca Il Station	st	For		<u> </u>		
					_	C Rem	ote Broad	cast	Networ <u>k</u>			_	
						C Rem	ote Statio	n	Address	192.168.255.1:	47808		
						O Glob	al Broadc	ast		Hex (C0-A8-00-	01-BA-C0)		
										011F.polt(132.1	100.U.1.470U0J		
					_								
<												J	>
Edit t	the address to nam	ie maj	pping									NUM	1

(8) 點選 *Send→Object Access→WriteProperty* · 將開啟 WriteProperty 視窗。



(9) WriteProperty 視窗→IP 頁籤: Destination 選擇 GW-5492



present-value、**BinaryPV(active)**,按下 Send & Close 按鈕,步驟如下所示:

WriteProperty		
IP BVLCI NPCI Confirmed-Request WriteProperty	MyPort	•
Object ID binary-output, 0 ID Property present-value Array Value Any Prionity	 IP BVLL Network Alarm and Event File Access Object Access ChangeList-Error CreateObject ACK CreateObject AcK CreateObject Error DeleteObject ReadPropertyMult ReadPropertyMult ReadPropertyMult RemoveListElement WritePropertyMult WritePropertyMult WritePropertyMult 	r K iple iple-ACK nt tiple-Emor
C0A8FF01 BAC0810A 00150104 0003410F 0C010000 0019553F 91013F	History:0 💌	Send
	<u>C</u> lose Se	end & Close

● Object ID 項目按下 ID...按鈕選擇 binary-output, BOØ 則 instance 設為 Ø。

Object ID										
An object identifier is made of two components: an object type and an instance number.										
Object Type	binary-output									
Reserved Type	4 Reserved types range 0127									
Vendor Type	Vendor Types range 1281023									
Instance	0 Instance range 04194303									
Here is how the	Here is how the value can be entered directly:									
	binary-output, 0									

- Property 選擇 Present-Value
- Value 按下 Any...按鈕,開啟視窗再 Add 並選擇 BinaryPV,開啟 Set...設為 active。

ABSTRACT-SYNTAX.&Type	
Type Context Data BinaryPV 9101 Add Bemove Bemove	BACnet BinaryPY BinaryPV active

● 按下 Send & CLose, VTS 送出封包與 GW-5492 立即回應如下:

<u>File</u> <u>H</u>	<u>E</u> dit <u>V</u> iew <u>S</u> en	d E <u>P</u> ICS	<u>T</u> ests <u>H</u> elp											
	ê 🗑 🔗 🗡	(ប 🚸	ی 💽 🐗	🖻 🗌 💡						-				
No.	TimeStamp	Port	Source	Destination	SNET	SADDR	DNET	DADDR	Service Type					
→ 0	15:55:45.359	MyPort	TD	GW-5492					WriteProperty, ID=73 binary-output_0, present-value, active (1)					
←1	15:55:45.359	MyPort	GW-5492	TD					Simple ACK, ID=73, WriteProperty ACK					

讀回 DIO 為 Active

(11)點選 *Send→Object Access→ReadProperty*·將開啟 ReadProperty 視窗。

<u>N</u> ew Packet Send <u>Again</u> MyPort (IP)						-
Send Again MyPort (IP)	_					
MyPort (IP)						
	stination S	NET SADDR	DNET	DADDR	Service Type	
IP IV IV EVLL EVLL EVLL EVLL EVLL EVLL EVL	5492 AddListEl AddListEl ChangeLis CreateObj CreateObj CreateObj ReadPrope Re	ement tt-Error set set.ACK set-Error set sty orty-ACK stylutiple arty stylutiple arty-ACK stylutiple stylutiple stellement stylutiple			WriteProperty, ID=73 binary-output_0, present-value, active (1) Sumple ACK, ID=73, WriteProperty ACK	
	WriteProp WriteProp	ertyMultiple ertyMultiple-Erroi				
	BVLL Netvork Alarm and Event File Access Object Access Remote Device Management Virtual Terminal Simple/Segment ACK Errors	BVLL Network Network Adam and Event File Access Objet Access AddListEl Remoto Device Management Virtual Terminal CreateObj Errors CreateObj ReadProp ReadPr	BVLL Netvork Netvork AddLittElement ChangeListEnror Virtual Terminal Errors CreateObject ACK CreateObject Error DeleteObject ReadPropertyAcK ReadPropertyMultiple ReadPropertyMu	BVLL Network Network AddListElement ChangsListEmor CreateObject ACK CreateObject ACK CreateObject ACK CreateObject Fmor DeleteObject ReadPropertyAcK ReadPropertyMultiple ReadPr	BYLL * Netvork * Adam and Event * File Access * Object Access * Vartual Terminal * CreateObject+ACK * SimpleXegment ACK * CreateObject+ACK * Brors * ReadPropertyAutiple * ReadPropertyMultiple * ReadPropertyMultiple * ReadPropertyMultiple * WritePropertyMultiple * WritePropertyMultiple * WritePropertyMultiple *	BYLL Simple ACK, ID=73, WriteProperty ACK Network Add.model Addam and Event CreaseObject File Access CreaseObject Yurtual Terminal CreaseObject ACK Simple/Segment ACK CreaseObject ACK ReadProperty ACK ReadProperty ACK ReadProperty Multiple ReadProperty Multiple WriteProperty Multiple WriteProperty Multiple WriteProperty Multiple WriteProperty Multiple

(12)ReadProperty 視窗→IP 頁籤: Destination 選擇 GW-5492

ReadProperty	
[IP] BVLCI NPCI Confirmed-Request ReadProperty	MyPort 🔹
Destination GW-5492	IP BVLL Network Alarm and Event File Access Object Access ChangeListError CreateObject CreateObject CreateObject ReadProperty ReadPropertyMultiple ReadPropertyMultiple ReadRange WriteProperty WritePropertyMultiple WritePropertyMultiple WritePropertyMultiple
Object ID required	▼ Send
	Close Send & Close

present-value,最後按下 *Send & Close* 按鈕,步驟如下所示:

ReadProperty	
IP BVLCI NPCI Confirmed-Request ReadProperty	MyPort
Object ID binary-input, 0 ID Property present-value	IP BVLL Network Alarn and Event File Access Object Access AddListElement CreateObject CreateObject-ACK CreateObject-Error DeleteObject ReadProperty-ACK ReadPropertyMultiple ReadPropertyMultiple ReadPropertyMultiple WriteProperty WritePropertyMultiple WritePropertyMultiple WritePropertyMultiple WritePropertyMultiple
C0A8FF01 BAC0810A 00110104 0003430C 0C00C000 001955	Send
	<u>Close</u> Send & Close

● Object ID 項目按下 ID...按鈕選擇 binary-input, BOØ 則 instance 設為 Ø。

Object ID	×
An object identifi an instance num	er is made of two components: an object type and ber.
Object Type	analog-input 💌
Reserved Type	0 Reserved types range 0127
Vendor Type	Vendor Types range 1281023
Instance	0 Instance range 04194303
Here is how the	value can be entered directly:
	analog-input, 0
	OK

- Property 選擇 Present-Value
- 按下 Send & CLose, VTS 送出封包與 GW-5492 確認 BIO 讀回 Active。

3 8 v	TS - [vts3.cfg]									
File	<u>E</u> dit <u>V</u> iew <u>S</u> en	d E <u>P</u> ICS	<u>T</u> ests <u>H</u> elp							
D	🖻 🗑 🎒 🗡	 (0 % 	۵ 🖓 🚸	🖻 🔲 💡						•
Ð	🙂 🐹 🞬 目		₹} {} {}	1						
No.	TimeStamp	Port	Source	Destination	SNET	SADDR	DNET	DADDR	Service Type	
→0	15:55:45.359	MyPort	TD	G₩-5492					WriteProperty, ID=73 binary-output_0, present-value, active (1)	
← 1	15:55:45.359	MyPort	GW-5492	TD					Simple ACK, ID=73, WriteProperty ACK	
$\rightarrow 2$	16:01:11.890	MyPort	TD	GW-5492					ReadProperty, ID=74 binary-input_0, present-value	
← 3	16:01:11.890	MyPort	GW-5492	TD					ReadProperty-ACK, ID=74, binary-input_0, present-value, active (1)	
Read	,								NU	јм //.

3. 如何將登入的帳號與密碼回復為預設值?(2023/02/11, Johney)

請依照以下步驟操作:

- (1) 將旋轉開關轉到8的位置。
- (2) 將 COM3 的 TxD 腳位與 RxD 腳位接在一起。
- (3) 重新啟動 GW-5492 或 GW-5493。
- (4) 大約等待三分鐘左右,模組就會將登入的設定值回復為預設值。
- (5) 再將旋轉開關轉到0的位置,並重新啟動模組,完成後即可使用預設帳號與密碼登入。

4. 在 GW-5492 模組,為什麼我按 BACnet 的 Start 按鈕後,它會再回到

Stop 狀態?(2023/04/15, Johney)

主要的原因是 GW-5492 與 GW-5493 並不支援 BACnet 中的 "MultiStateValue" 物件。如果 使用者有設定使用這個物件,它在內部執行時會發生錯誤,因此,當使用者按 BACnet 的 Start 按鈕要啟動它,它會立即又回到 Stop 狀態。請使用 BACnet 中的 "AnalogValue(AV)" 或 "AnalogOutput(AO)" 物件來取代 "MultiStateValue".

MultiStateOutput	Mapping
MultiStateInput	Object Type Save
MultiStateValue	
AnalogValue	BAChet Object Mapping
AnalogOutput	Object Identifier Device Point Index Object Name COV Increment COVPeriod(sec) Unit Relinquish Default
BinaryInput	No records found.
BinaryOutput	
BinaryValue	
	Modbus Points

5. 為什麼 GW-5492 與 GW-5493 模組無法被 Yabe 軟體找

到?(2023/05/22, Johney)

Yabe 軟體會發送"Who-Is"請求來搜尋網路上的 BACnet 設備。因為 GW-5492 與 GW-5493 模組不會回應"Who-is"的請求封包,所以 Yabe 就無法找到這兩個模組。 使用者可以改用 VTS 或是 Baceye 軟體來連線,這兩套軟體可以直接指定 BACnet 設備的 IP 來連線。

底下是 VTS 軟體的連線畫面。

VTS -	[vts3.cfg]				×
File Ed	it View Send	EPICS Tools Help			
0 🚅	🗑 🏐 🗙 🖸	* * 5 🖂 🖻 🗐	8 🖬	▼	
Ē 🔢		(予 · · · · · · · · · · · · · · · · · · ·			
No.	TimeStamp	Source	Destination	Service Type Detail View × EPICS View	×
→ 0	15:45:02.490	TD	GW-5493	ReadProperty, ID=0 analog-value_0, present-value	_
← 1	15:45:02.495	GW-5493	TD	ReadProperty-ACK, ID=0, analog-value_0, present-value, 888.000	
→ 2	15:45:28.266	TD	GW-5493	ReadProperty, ID=1 analog-value_0, present-value	100
← 3	15:45:28.267	GW-5493	TD	ReadProperty-ACK, ID=1, analog-value_0, present-value, 123.000	
→4	15:47:21.554	TD	GW-5493	ReadProperty, ID=2 analog-value_0, present-value	
← 5	15:47:21.556	GW-5493	TD	ReadProperty-ACK, ID=2, analog-value_0, present-value, 5678.00	
Let View x	F	IP BVLCI NPCI Object ID analc Property prese Array Index	Confirmed-Request	12 Modbus Steve - Mostav1 File Connection Setup Display View Window Help Image: Setup Display View View View View View View View View	
ΞI					
Ready					

底下是 Baceye 連線畫面。

All networks >> Device 3577				Devices	Device 35 BACnet ID	Device 3577 Data loaded 17.05.2023 13:05:26 2 BACnet ID: 3577				Description ICP DAS G		
etwork	InstNo.	Device Name	Description			Device Na	me: GW-54	492	-> 102 169 2	M	anufacturer: I	ICP DAS
	0	BACeye	BACeye MBS GmbH			DACHELIN	AC: CUAOF	FUIDACU	192.100.2	233.1:47606		
	3577	GW-5492	ICP DAS GW-5492			Objects						
						Search:				0		
										Filter		
						14×8	Obj. Type	InstNo	Present Valu	ue Object N	ame	
							DEV	3577		GW-5492		
							AI	0	17948.00			
							AI	1	15360.00			
							AI	2	17239.00			
							AI	3	22066.00			
								4	0.00			
							ΔΙ	6	0.00			
							AI	7	0.00			
							AI	8	17239.00			
							AI	9	22066.00			
							AI	10	0.00			
							AI	11	0.00			
							AI	12	0.00			
							AI	13	0.00			
							AI	14	0.00			
							AI	15	0.00			
							AI	16	0.00			
							AI	10	0.00			
							AL	10	0.00			
							AI	19	0.00			
										A still star Marinel		
					 					Activate wind	OWS	

ICP DAS, FAQ for GW-549x Rev. 1.00 Page 15

6. GW-5492 與 GW-5493 模組·將一個 Modbus 暫存器分配給兩個以上

BACnet 物件是會有問題的,為什麼呢?(2023/06/19, Johney)

GW-5492 與 GW-5493 模組無法支援,將一個 Modbus 暫存器分配給兩個 BACnet 物件。如果這麼作的話,當兩個 BACnet 物件定時地寫回不同數值到同一個 Modbus 暫存器時,會造成 Modbus 暫存器數據混淆,因此不會有這樣的功能可以實現。

stem Modbus BACne	t Modbus/BACnet	Mapping							
– MultiStateOutput – MultiStateInput – MultiStateValue – AnalogValue	Mapping Object Type Anal BACnet Object Ma	ogInput		Sav	e				
AnalogOutput	Object Identifier	Device	Point	Index	Object Name	COV Increment	COVPeriod(sec)	Unit	Relinquish De
BinaryInput BinaryOutput	AI10	MOO2	A02	0	AI10	0	0		0
BinaryValue	Al11	MOO2	A02	1	AI11	0	0	NO UNITS	0
	Al12	MOO2	A02	2	AI12	0	0	NO UNITS	0
	AI13	MOO2	A02	3	AI13	0	0	NO UNITS	0
	Modbus Points Device Point MOO2 A00	Index 0	Address 0	Write	MappedTy ANALOGIN	rpe PUT			
	MOO2 A00	1	0	FALSE	ANALOGIN	PUT			
	MOO2 A00	2	0	FALSE	ANALOGIN	PUT			
		1							