Classification	UA-Series Chi	nese Func	tion Wizard F	AQ-CNV-	08		
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thor Chris Yen Version 1.0.0 Date 2022,12 Page 9 / 15 A 条列產品 MQTT 設定 ###################################	assification U	IA-Series Chir	nese Funct	tion Wi	zard	FAQ-CNV-(08		
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1. 設定 Modbu 2. 設定 MQTT	s 模組 Certificate						
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	Upload the f	ile to the	controller				
	Tr	usted Certifi	cate Select File	AmazonRo	otCA3.pem	Jpload	
		Certifi	cate Select File		l	Jpload	
		Private	Key Select File		l	Jpload	
(b)將 AWS	ioT 下載的 x	xxxxxxx	x-certificate.p	em.crt	從 Certificate	e(憑證)上傳	至 UA
MQ	TT Client						
Rem	nove the File						
	Trusted C	ertificate	Remove				
	C	ertificate	Remove				
	Pri	vate Key	Remove				
Uplo	ad the file to	the con	troller				
	Trusted C	ertificate	Select File		Up	load Success	5.
	C	ertificate	Select File 32e9	d7fd-certific	cate.pem.crt	load	
	Pri	vate Key	Select File		Up	load	
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(c)將 AWS	IoT 下載的 x	xxxxxxx	x-private.pem	.key 從	Private Key (私鑰) 上傳至	∑ UA
MG	TT Client						
Rei	move the File	•					
	Trusted	Certificate	Remove				
		Certificate	Remove				
	F	rivate Key	Remove				
Upl	load the file to	o the con	troller				
	Trusted	Certificate	Select File		Uplo	ad Success.	
		Certificate	Select File		Uplo	ad Success.	
	F	Private Key	Select File 8e2e	9d7fd-privat	te.pem.key Uplo	ad	
Module Settin Run the proje	ng ≽ MQTT Cert	iificate ≽	MQTT Broker Settin	g 〉 En	able Converting Mo	odule ≽ Savi	e Project 📏
System Settir	ng Module Setti	ng loT P	latform Setting	Convert Se	etting Advance	ed Setting L	ogger Setting
I/O Status	File Setting						
IoT Platform Setti	Remote Broker						
MQTT Connect Local Broker	ion Re	emote Bro	ker List				
Remote Broke	er		Broker Nam	e	IP / D	omain	Port
MQTT Group	Connection	÷	Name1				
Microsoft Azur	e Platform		AWS		127.	.0.0.1	1883
OPC UA Conne	ction		Remove			< 1	/ 1 >
					Save		
	IC	P DAS Co.,	, Ltd. Technical	Docume	ent		

	cation	UA-Series Chir	nese Func	tion Wizarc	I FAQ-CN	V-08				
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	Syster I/O Sta	n Setting Mod	ule Setting	loT Platfo	orm Setting	Cor	overt Setting	g Advar	nced Settin	
	IoT Platfo	orm Setting Remote	e Broker B	roker Content S	Settings					
	MQTT Co	onnection	Brok	er Content	t Setting	S				
	Remote	e Broker		Br	oker Name	AWS				
	MQTT	Group Connection		I	P / Domain	а		us-east-	•	
	Microso	oft Azure Platform			Port	8883				
		Connection		Keep Alive Tin	ne(second)	60]	
	Local c				SSL/TLS	🗹 Ena	bled			
				Trusted	Certificate	Amazo	onRootCA3.	pem 🗸]	
					Certificate	63f0cc	ld18830349(0f986216c! 🗸]	
				F	Private Key	63f0cc	ld188303490	0f986216c! 🗸]	
				Anonyr	nous Login	🛃 Ena	bled			
(b)	Broker C	Content Setting	gs IP / Do	omain 欄位	፲填 AWS	IoT 的	Setting	s 頁面,	Endpoin	t 欄任
(b) _{Retai}	Broker C	Content Setting	gs IP / Do	omain 欄位 > Settings	Z填 AWS	IoT 的	Setting	s 頁面,	Endpoin	t 欄位
(b) Retai Secur In	Broker C ined message rity atro	Content Setting	gs IP / Do AWS IOT Sett	omain 欄位 > Settings ings Info	Z填 AWS	IoT 的	Setting	s 頁面,	Endpoin	t 欄 ɗ
(b) Retai ▼ Secur In Co Po	Broker C ined message rity ertificates olicies ertificate aut	Content Setting	gs IP / Do AWS IoT Sett Your d	omain 欄位 > Settings ings Info ice data end levices can use you	Z填AWS d point Inf ur account's de	IOT 的 evice data e	Setting	s 頁面,	Endpoin	t 欄位
(b) Retai Secur In Ca Ra Ai	Broker C ined message rity ertificates olicies ertificate aut ole Aliases uthorizers udit	content Setting	AWS IoT AWS IoT Sett Devi Your d Each endpo	omain 欄位 > Settings ings Info ice data ence levices can use you of your things h oint.	Z填AWS d point Inf ur account's de nas a REST A	IoT的 evice data e	ndpoint to con	S 頁面, nect to AWS. dpoint. MQTT	Endpoin	t 欄位
(b) Retai Secur In Co Ro Ai Ai ► Do	Broker C ined message rity ertificates olicies ertificate aut ole Aliases uthorizers udit etect Hub	es	AWS IoT AWS IoT Sett Devi Your d Each endpo Endp	omain 欄位 > Settings ings Info ice data end levices can use you of your things P oint. oint	Z填 AWS dpoint Inf ur account's de has a REST A	IOT的 evice data e .PI availab	ndpoint to con le at this end zonaws.com	s 頁面, mect to AWS. dpoint. MQTT	Endpoin	t 欄位 Aws Ic
(b) Retai Secur In Co Po Co Ro An An ► Do Fleet	Broker C ined message rity ertificates olicies ertificate aut ole Aliases uthorizers udit etect Hub Software proups	content Setting	AWS IoT AWS IoT Sett Devi Your d Each endp Endp	omain 欄位 > Settings ings Info ice data end levices can use you of your things h oint. oint nain configu on create domain of oT Core and main	Z填AWS dpoint Inf ur account's de has a REST A nas a REST A	IOT 的 evice data e .PI availab .ama to simplify identity.	Setting	s 頁面, mect to AWS. dpoint. MQTT	Endpoin	t 欄 ɗ
(b) Retai Secur In Co Po Co Ro Ai ► Do Fleet Device S Billing g Settings	Broker C ined message rity ertificates olicies ertificate aut ole Aliases uthorizers udit etect Hub Software proups	content Setting	AWS IoT AWS IoT Sett Devi Your d Each endp I a Com You ca AWS Io	omain 欄位 > Settings ings Info ice data end levices can use you of your things H oint. oint nain configu of Core and main ctions ▼	Z填AWS dpoint Inf ur account's de has a REST A nas a REST A urations configurations taining brand Create do	IOT 的 evice data e .PI availab .ama to simplify identity. main con	Setting	s 頁面, mect to AWS. dpoint. MQTT	Endpoin	t 欄 位 AWS Io
(b) Retai ▼ Secur In Co Po Co Retai Po Po Po Po Po Po Po Po Po Po	Broker C ined message rity ertificates olicies ertificate aut ole Aliases uthorizers udit etect Hub Software proups s spotlight	content Setting	AWS INT AWS INT Sett Devi Your d Each endp I a Com You ca AWS IN	omain 欄位 > Settings ings Info ice data end ice data	Z填 AWS dpoint Inf ur account's de has a REST A nas a REST A urations configurations taining brand Create do Domai	IOT 的 evice data e PI availab .ama to simplify identity. main cor	Setting	s 頁面, mect to AWS. dpoint. MQTT	Endpoin	t 欄 位 AWS Ic Core, mi

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 (c) Broker Content Settings Port:8883 (d) Broker Content Settings SSL/TLS: 設為勾選 Trusted Certificate、Certificate、Private Key 依序選擇先前上傳的檔案 (e) Anonymous Login:設為勾選 										
4. Enable Conve 完成 Broker	erting Module 設定後·選擇	要轉換的	Modbus 裝置	音 Tag 黑	ና • (<u>Message</u>	<u>QoS</u> 設	為 0 或	<u>1)</u>		
MQTT Client Set	ting									
	No.	1								
	Module Name	simulate								
	Scan Rate(ms)	1000								
	Dead Band	0								
	Will Topic									
	Will									
	MQTT Connection	Broker (Lo	ocal) note)							
Publish & Subsc	ribe									
	Details	Show Hid	е							
Name	Sut	oscribe	Subscribe QoS		Publish Topic	Publish QoS	Retain	Enableo		
Tag0	/MTCP_No.1 ng_Registers e	_simulate/Holdi /Tag0/Subscrib		/MTCP_No	o.1_simulate/Holdi ers/Tag0/Publish	1 •				
Tag1	/MTCP_No.1 ng_Registers e	_simulate/Holdi /Tag1/Subscrib		/MTCP_No ng_Registe	o.1_simulate/Holdi ers/Tag1/Publish	1 🗸				
Tag2	/MTCP_No.1 ng_Registers e	_simulate/Holdi /Tag2/Subscrib	1 🗸	/MTCP_No ng_Registe	o.1_simulate/Holdi ers/Tag2/Publish	1 🗸				
5. 儲存專案並執 前述步驟完成	軌行 後・依 Wizar	d 流程儲 CP DAS Co.	存專案並執行 , Ltd. Technica	• • •	ent					

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測試							
1. 請在 AWS Id 資料是否已度	oT 服務頁面上 成功上傳。	點選 MQ	TT test client	後,使	更用 "Subscri	be to a toj	pic″ 來檢視
AWS IoT	×	AW:	S IoT. AWS IoT also p MQTT test client.	ublishes MC	QTT messages to info	orm devices and a	pps of chan
Monitor			Subscribe to a t	opic	Publish to a to	pic	
Connect Connect c Connect r	one device nany devices		Topic filter Info The topic filter describes #	the topic(s) to	o which you want to sub	oscribe. The topic filt	er can include
Test			 Additional config Number of messages 	uration to keep			
Device Ad MQTT tes Device Lo	visor st client cation New		The MQTT test client kee 10 Quality of service When subscribing to a to	ps this many pic, quality of	of the most recent mess	n by default.	topic that ma
Manage All device	s		 Quality of Service Quality of Service 	0 - Messag 1 - Messag	e will be delivered at e will be delivered at	t most once t least once	
Things Thing Thing	groups types		 Auto-format JSON Display payloads a Display raw payloads 	, N payloads (as strings (n ads (display	(improves readability nore accurate) rs binary data as hexa	/) adecimal values)	
Fleet n Greengras	netrics ss devices	,	Subscribe				
Subscriptions	#				F	Pause Clear	Export
# ♡×	▼ /MTCP_No.1_simulate,	/Holding_Registers,	/Tag1/Publish			December 01, 2022,	17:29:10 (UTC+0800)
	289						
	 Properties /MTCP_No.1_simulate, 	/Holding_Registers,	/Tag1/Publish			December 01, 2022,	17:29:10 (UTC+0800)
	287						
	Properties						
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2. 請在 AWS IoT 服務頁面上點選 MQTT test client 後,使用 Publish to a topic 來檢視 UA 是否 已成功接收資料。

AWS IOT X						
1onitor	Topic name The topic name identifies the message. The message payload will be published to this topic with a Quality of Service (OoS)					
	Q /MTCP_No.1_simulate/Holding_Registers/Tag2/Subscribe					
Connect						
Connect one device	Message payload					
Connect many devices	296					
 connect many devices 						
Test	▼ Additional configuration					
Device Advisor	Retain message on this topic					
MQTT test client						
Device Location New	Quality of Service When subscribing to a topic, Quality of Service (QoS) 0 will be chosen by default.					
	 Quality of Service 0 - Message will be delivered at most once 					
Manago	• Quality of Service 1 - Message will be delivered at least once					
	MQTT 5 properties Info					
All devices Things	Add MQTT 5 properties by choosing a property type and adding a value.					
Things						
Thing groups	Add property You can add up to 5 properties					
Thing types	rou can add up to 5 properties.					
Fleet metrics	User properties Info					
Publish						
Subscrip	itions #					
#	♥ X ▼ /MTCP No.1 simulate/Holding Registers/Tag2/Publish					
	296					
	Properties					
	 /MTCP_No.1_simulate/Holding_Registers/Tag2/Subscribe 					
	296					
	Properties					
L						
	ICP DAS Co. Itd Technical Document					