

Device list for	Device list for Test				
Item Name	Model	Manufacture			
Network Signal Tower	LA6-5DSNWB-POE	PATLITE			
M2M Gateway	CPS-MG341-ADSC1-111	CONTEC			
Laptop PC	<b>%1</b>				
LAN cables	We used two commercially available products. $\&2$				
<ul> <li>※1 : We used a PC runn</li> <li>※2 : The M2M controller</li> <li>Thus when connecting a connect the HUB.</li> </ul>	ning Microsoft Internet Explorer 11.x or later. r body has two LAN ports. They are set in the HUB m n Signal Tower NH-FV Series and a Laptop PC, it is no	iode. t necessary to			
CONTEC Technology for a be	etter life	2			

1



LA6-POE setting	g state	
Select "Main Unit Setup" on Set the Buzzer Sound to an "Command Control".	the LA6-POE Web Setup screen. arbitrary value. Set Control-syste	em Switchover switching to
🗲 🛞 🏧 http://10.1.1.102/login.cgi	の - C 🚾 LA6 Setup Tool	- □ × × û☆@©
PATLITE.	LED Un MAC Ac	it Version : 1.00, LAN Unit Version : 1.05e 🗘 ddress : 80:39:e5:00:94:9a
Signal Tower Setup Main Unit Setup	^ Main Unit	Setup
Signal Tower Mode		()
Communication Setup Network Setup	Buzzer Sound Control-system Switchover	Command Control
Command Configuration		Set
Modbus/TCP Setup	Sync LED Unit S	Setup Data
Operation during contact input	Sync	
CONTEC Technology for a better life	)	4

Matter://10.1.1.102/login.cgi   PATIITE	ア・C III LA6 Setup Tool × 合合な 合合な こうしょう こうしょう しんしょう しんしょ しんしょ
	MAC Address : 80:39:e5:00:94:9a
Signal Tower Setup	Network Setup
Main Unit Setup	
Signal Tower Mode	
Communication Setup	IP Address Configuration
Network Setup	IP Address 10.1.1.102
Command Configuration	Subnet Mask 255.255.0
Modbus/TCP Setun	Default Gateway 0.0.0.0
	Set
Operation during contact	

LA6-POE settin	g state	
Check the Port Number of N	1odbus/TCP Setup.	
< 🛞 🏧 http://10.1.1.102/login.cgi	ー □ × ♪ * © ■LA6 Setup Tool × 協会 ©	
PATLITE.	LED Unit Version : 1.00, LAN Unit Version : 1.05e OMAC Address : 80:39:e5:00:94:9a	e P
Signal Tower Setup Main Unit Setup	Modbus/TCP Setup	
Signal Tower Mode Communication Setup Network Setup	Port Number	
Command Configuration		
Operation during contact input		
		I
CONTEC Technology for a better life	e	6



How	to restore Task on M2M Gagteway (CONPROSYS)	
1.	Open M2M Gateway with Web Browser on Laptop PC.	
2.	Login to M2M Gateway setting menu.	
3.	Select [ Maintenance menu]-[Task edit]	
4.	Select [File]-[Open from local disk] on the Task edit.	
5.	Select "task0_xxxxxxxxxx.dat" file from the folder where you extracted	
	the downloaded file, and click [Open].	
6.	Select [File]-[Save task] on the Task edit. And save it as an arbitrary file	
	name Task0 - 9.	
7.	Select [File]-[Open from local disk] on the Task edit.	
8.	Select "task1_xxxxxxxxxx.dat" file from the folder where you extracted	
	the downloaded file, and click [Open].	
9.	Select [File]-[Save task] on the Task edit. Any file name other than	
	those specified in "5": Save as Task0 - 9.	
© CON	TEC Technology for a better life	8

M2M Gateway setting state	
Select [Maintenance menu]-[LINK config]. Set arbitrary "Link name" and "Link type" to "MODBUS_TC "Link name" is added. Click "config", set the IP address of port number of Modbus/TCP and click "upd".	CP.lin" and click "add". of LA6-POE to be connected, the
Image: Set according to the setting of Modbus/TCP of LA 6-POE.	Link config(detail) Link name LA6-POE Link type MODBUS TCP.in IP address 10.1.1.102 Port no 502 upg
© CONTEC Technology for a better life	9



M2M Gateway setting state	
Select [Maintenance Menu] – [Device Config], set an arbitrary [Device Name], confirm the "Unit Name" is "Unit Name" set in the previous section, and click [add].	lat
	11
COINTEC Technology for a better life	11

M2M Gateway setting state As "Device name" is added as shown below, click [config].	
Image: Sector of Sector o	
SUNTEC Technology for a better life	12





he	function device ty	code in M pe, READ	lodbus c E / WRI	ommunication of the M TE setting.	2M Gate	way is as follows depending
				READ		WRITE
	Device	е Туре	Code	Function	Code	Function
	Coil S	Status	0x01	Read Coil Status	0x0F	Force Multiple Coils
	Input	Status	0x02	Read Input Status		_
	Holding	Register	0x03	Read Holding Register	0x10	Preset Multiple Registers
The	Input R function	Register codes sup	0x04 oported	Read Input Register	wn in the	table below.
ے۔ The Sinc n th	Input F function te both of te setting	Register codes sup f them car g of M2M (	0x04 oported n handle Gateway	Read Input Register by LA6-POE are as show 0x03 and 0x10, we ch	wn in the ose the [	e table below. Device type:"Holding Registe
The Sinc n th	Input F function te both of ne setting	codes sup f them car of M2M ( Function N	0x04 oported n handle Gateway ame	Read Input Register by LA6-POE are as show 0x03 and 0x10, we ch Functional Description	wn in the ose the [	e table below. Device type:"Holding Registe
The Sinc n th	Input F function the both of the setting Code (Hex) 02H 03H	Codes sup f them car o of M2M ( Function N Read Input Read Holdi	0x04 oported n handle Gateway ame : Status ng Registe	Read Input Register by LA6-POE are as show 0x03 and 0x10, we ch Functional Description The contact input status rs. The present status of the	wn in the ose the I is read.	e table below. Device type:"Holding Registe
The Sinc n th	Input F function ce both of ne setting Code (Hex) 02H 03H 06H	Register codes sup f them car of M2M ( Function N Read Input Read Holdi Write Singl	0x04 opported on handle Gateway ame Status ng Registe e Register	Read Input Register by LA6-POE are as show 0x03 and 0x10, we ch Functional Description The contact input status rs The present status of the 1 byte of the data address Tower and buzzer are con	wn in the ose the I is read. Signal Tow in the Reg trolled.	e table below. Device type:"Holding Registe rer and buzzer are read. ister is changed, and the Signal
The Sinc n th	Input F function the both of ne setting Code (Hex) 02H 03H 06H 08H	Register codes sup f them car o of M2M ( Function N Read Input Read Holdi Write Singl Diagnostic:	0x04 opported n handle Gateway ame : Status ng Register s	Read Input Register by LA6-POE are as show 0x03 and 0x10, we ch Functional Description The contact input status rs The present status of the 1 byte of the data address Tower and buzzer are con Reads the energized state	wn in the ose the I is read. Signal Tow in the Reg trolled. e of the Sig	e table below. Device type: "Holding Registe ver and buzzer are read. ister is changed, and the Signal nal Tower control board.

M2M Gatew	vay setting state					
Use the "Modbus	Use the "Modbus data view" of the M2M Gateway to check the communication status with					
the LAO-POE.	This is the start address to which the					
🗲 🛞 🧭 http://10.1.1.101/	PLC or Modbus device will be remapped.					
in/en	Click "get" to update the display.					
- IV	Data written from the M2M					
real real real real real real real real	egister Input register :AI/CNT 🗸 address 2000 get 🖉 Gateway to the LA6-POE will					
New York and York	be displayed.					
Task edit	address +0 +1 +2 +3 +4 +5 +6 +7 +8 +9 +10 +11 +12 +13 +14 +15					
Modbus data view						
Save to ROM 2						
PLC 2	2030 0000 0000 0000 0000 0000 0000 0000					
2	2040 0000 0000 0000 0000 0000 0000 0000					
LINK config 2	2050         00000         0000 <t< th=""></t<>					
CPU config 2	2060         0000 <th< th=""></th<>					
DEVICE config 2	2070         0000 <th< th=""></th<>					
Data collect conf	2080 0000 0000 0000 0000 0000 0000 0000					
2	2090         0000 <th< td=""></th<>					
Data transfer setting 2	20a0         0000 <th< th=""></th<>					
Azure IoT Hub setting	2000 0000 0000 0000 0000 0000 0000 0000 0000					
CONTEC Technolo	gy for a better life 16					

The me	aning of TAG		
TAG	The meaning of TAG		
TAG00	Data of AI0	Current 0 to 20 mA input to AI0 is stored as 0 to 4095 data.	
TAG01	The determination result of the current data.	Depending on the data stored in TAG 00, 0 to 5 are stored.	÷
If the value If the value If the value If the value If the value When the	e of TAG00 is 4 or less, Group e of TAG00 is 819 or less (abo e of TAG00 is 1638 or less (abo e of TAG00 is 2457 or less (ab e of TAG00 is 3276 or less (ab value of TAG00 exceeds 3276	Number 1 is output to LA6-POE. ut 4 mA or less), Group Number 2 is output to LA6-POE. out 8 mA or less), Group Number 3 is output to LA6-POE. out 12 mA or less), Group Number 4 is output to LA6-POE. out 16 mA or less), Group Number 5 is output to LA6-POE. (about 16 mA), Group Number6 is output to LA6-POE.	
© CONTEC	Technology for a better life		17