1. Overview

Monigear series network devices support internet automation through IFTTT (If This Then That), allowing sensor data (such as temperature and humidity, gas monitoring, digital IO, etc.) to be linked with other smart devices, cloud services or applications. Users can customize trigger conditions (Trigger) and execution actions (Action) through the IFTTT platform, and expand device functions without additional development.

Applicable scenarios:

- Trigger notifications (email, SMS, App push) when temperature, humidity, and gas content exceed thresholds
- Link with smart home devices (such as air conditioners, humidifiers, fans)
- Data synchronization to the cloud (Google Sheets, Notion, etc.)



Preconditions

- The device can connect to the Internet and complete the initial configuration.
- The user has a valid IFTTT account and can use Webhooks.

2. Device settings

There are two places related to IFTTT in Monigear's device configuration tool. The first one is in the basic configuration, as shown in the figure below. There are mainly three items related to IFTTT, among which ca-bundle is shared with the Email function and is a collection of CA certificates used to access https websites, please refer to <u>Email configuration howto</u>. Whether to enable the IFTTT function, this is not enabled by default.

Configure NTHM_HOME via network		×
Quit Ouse current certificates Ouse previous certificates	ord isconnec	t
Device configure IO state Technical suppo	ort information	
Detect Blink Save Reboot Sys reboot	Read configure Apply changes	
Factory Upgrade Check Update	Property	Value
Basic configure	Time zone	Asia/Shanghai
IOT center1 configure	Enable Modbus TCP	Yes
IOT center2 configure	Modbus Tcp port(502)	502
GNC center configure	Modbus tcp mode	Server mode
SNMP configure	Modbus tcp server IP for client mode	
Email notification configure	Modbus tcp idle timeout(minutes)	10
	Enable bacnet	No
	Bacnet device ID	1
	Report interval(seconds)	1200
	ca-bundle	ca-bundle,file size: 222971, date: 06-24-2025 23:14:44
	Enable IFTTT	Yes
	IFTTT WebHooks key	g2ms4m
	Hardware version	2
	Hardware sub version	0
	Software version	3
	Software sub version	0
	Firmware version	2025/07/16

The most important one is the IFTTT WebHooks key, which can be obtained according to the following steps.

Open your IFTTT account and select the applet you want to associate with this device from the Applets you published, similar to the following figure

	My Applets	
Q Filter		
All (3) Published Archive		
If Maker Event "temperature_hig h", then Send your telegram message	If Maker Event "NIO_events", then Send message to Private chat with @IFTTT	If Maker Event "NIO_events", then Send message to Private chat with @IFTTT
by zhongwunging68 Connected	by zhongwenging68	by zhongwenging68 Connected
Pro+	Pro+	Pro+

After opening, it will look like the following picture. The string after "key/" is mosaiced, which is the string that should be filled in the configuration tool. This is your own key, which needs to be kept safe from others.



https://maker.ifttt.com/trigger/temperature_high/json/with/key/g2ms-

Another place is related settings for supervisory points (such as temperature)

🖲 Configu	ire NTHM_H	OME via netv	work			
Quit	Use curren Use previo	t certificates us certificate	; Pas	ssword •••	Disconnect	
Device co	nfigure IO	state Techr	nical su	pport inform	ation	
Modules Query			IO v	alues Modul	e configure IO configure	
Address	Running	Name	Rea	d all Modify	Apply changes Save SP list	
0	Running	Device	AIC) 		
			*	Name	Key	Value
				AIO1	Level 2 Warning High Threshold	0
				AIO2	Level 2 Warning Low Threshold	0
					Level 3 Warning Enable	No
					Level 3 Warning High Threshold	0
					Level 3 Warning Low Threshold	0
			1		Minimum value	0
					Maximum value	0
					Level1 high warning message	Temperature high warning
					Level1 low warning message	Temperature low warning
					Level2 high alarm message	Temperature high alarm
					Level2 low alarm message	Temperature low alarm
					Level3 high alarm message	Temperature very high alarm
					Level3 low alarm message	Temperature very low alarm
					IFTTT Event name	temperature_high

Because the generation of events is related to the setting of a single supervisory point(SP), please also refer to the relevant content in the Email notification document. The way to generate events is exactly the same as the Email notification function, so the event name setting of IFTTT falls on the single SP setting here.

The item "IFTTT event name" here should be the event name of the applet in IFTTT. Because the JSON data sent by our device contains more content (including device name, monitoring point name and other information), if there are many supervisory points that need to configure IFTTT events, you can actually share one event name, and then use simple programming on the IFTTT server to distinguish which device sent the event.

3、Settings in IFTTT server

IFTTT(If This Then That) is an automation platform that connects different applications, devices and services to automate tasks based on simple "trigger-action" rules. It has a wide range of applications, such as integrating and publishing telegram and twitter messages, and combining with various smart home platforms such as Google Assistant, Amazon Alexa, Philips Hue, etc. Here we briefly introduce how to send messages using Gmail and Telegram.

Example 1: Send notification via Gmail after receiving

an event

1) Create a newapplet

webhooksAs shown below, click Add in "If This" and search for webhooks when selecting a service.



When selecting the trigger type, select "Receive a web request with a JSON payload"



Enter the event name (this is the event name to be filled in the SP point), and then complete the "IF" related settings. Then "That" part searches for Gmail





I choose "Send yourself an email" here, or you can choose "Send an email" on the left. After selecting "Create action" in the next step, the basic applet is actually completed. However, such an email seems to contain a lot of data. Therefore, it can be further optimized by adding a filter code.



After clicking the plus sign to add the Filter code, you can edit and add the following code. For specific programming, please refer to the IFTTT documentation





The JSON data our device sends to the IFTTT server via webhooks contains the following parts:

subject	The title of the event, including the device name and the change in the alarm
	level
content	Detailed information, including supervisory point current value and pre-set alarm
	information content
other	It is a nested JSON data, including the following content, which may be increased
	as needed in the future
	dev-device name
	SP-Supervisory point name, For example:NTHM,A0_1 is temperature,A0_2 is
	humidity, sort according to the SP type, module address and index
	time-timestamp, Int64, seconds since 1970/1/1
	value-supervisory point current value, analogue SP is double, Digital IO is 0/1
	newAlarm,oldAlarm: The alarm levels corresponding to the changes in the alarm
	events

The following picture is an example of using blowing to trigger the NTHM temperature alarm to send information after everything is set up.



Example 2: Send a message to Telegram

The process of creating an Applet on IFTTT is exactly the same as in Example 1. The only difference is that when creating an action, need choose the service provided by Telegram. I operated on a PC, so the following steps to install Telegram desktop will appear. The following steps must first install Telegram desktop and then enable Telegram's IFTTT chat bot.







You need to click "Authorize IFTTT" before you can receive the information.

felegram a	account	
Wenqi	ng Zhong	~
		Add new account
arget cha	ŧ.	
Private	chat with @IFTTT	~
Jse the <u>@IF</u> groups or cl	Ⅲ bot on Telegram to c annels.	onnect new
Nessage t	ext	
What: When: Extra D	EventName occurredAt ata: JsonPayload	> > 1
Some HTML , a, br, pre, c	tags are supported: b, :ode.	Add ingredient
nclude we	b page preview?	
Disable	ed	~
Telegram wi small previe	ll check the first URL in th w of the page. Disabled l	e text to include by default.
	Create actio	on

The above picture is similar to Example 1. After creating it, you can also add a filter code between This and That.

Add the following code

Telegram.sendMessage.setText(payload.content)



This is an example of a message being received