MQTT 协议 wifi 产品

简介：MQTT WiFi 产品是以 WiFi 模块开发的产品
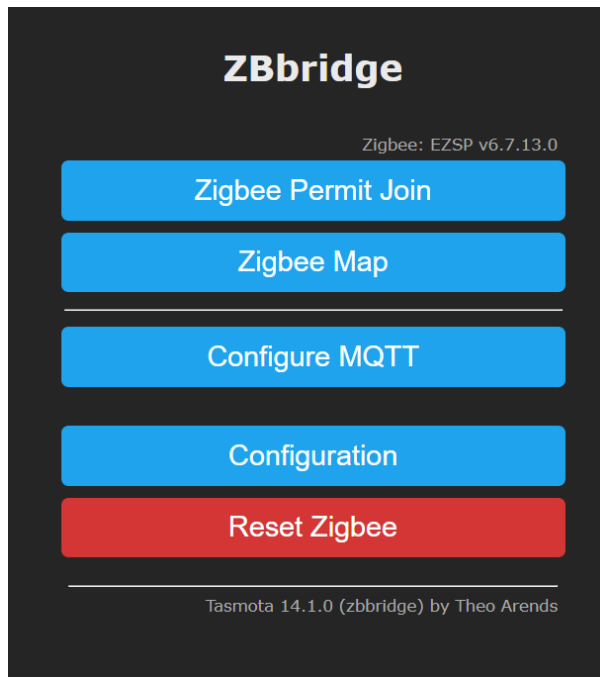
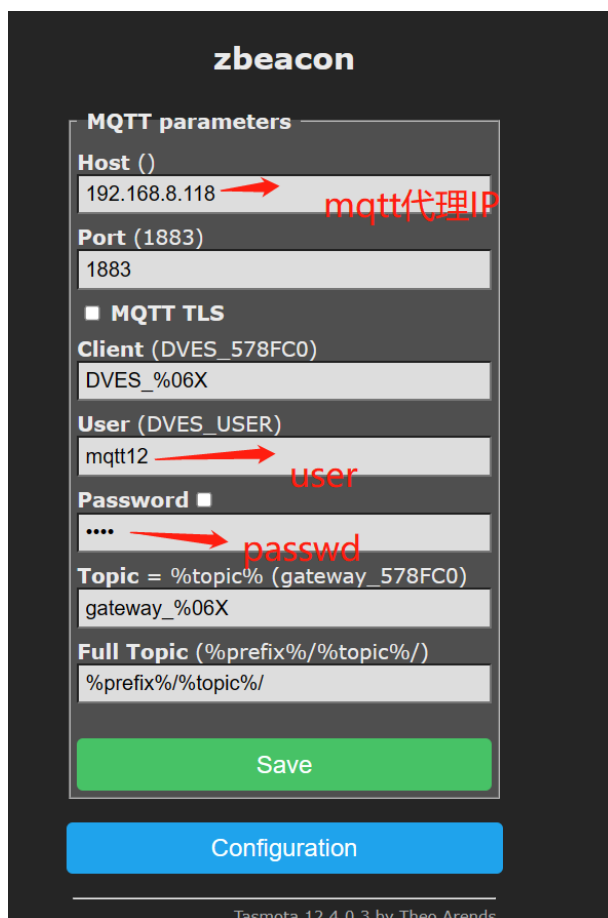WIFI 热点配置

连接，没有密码，然后 WEB 端输入 192.168.4.1
设备热点信息如上图格式

配置好保存
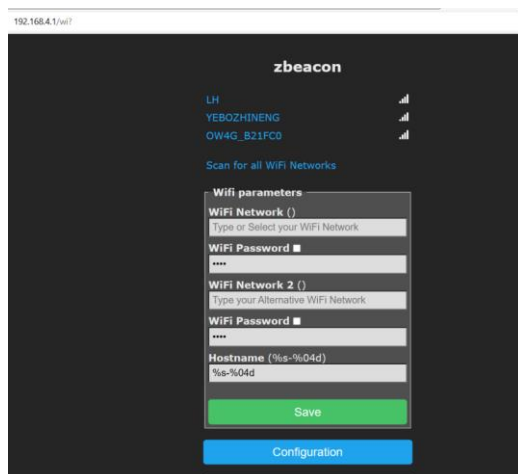
配置 MQTT 服务器

Mqtt 协议接口

DNS Server2	0.0.0.0
HTTP API	Enabled
MQTT Host	
MQTT Port	1883
MQTT TLS	Disabled
MQTT User	DVES_USER
MQTT Client	DVES_CD992D
MQTT Topic	ZBbridge_%06X
MQTT Group Topic 1	cmnd/tasmotas/
MQTT Full Topic	cmnd/ZBbridge_CD992D/
MQTT Fallback Topic	cmnd/DVES_CD992D_fb/
MQTT No Retain	Disabled
Emulation	None
ESP Chip Id	13474093 (ESP8266EX)
Flash Chip Id	0x16405E (DOUT)
Flash Size	4096 KB
Program Flash Size	4096 KB
Program Size	749 KB
Free Program Space	1296 KB
Free Memory	21.6 KB
File System Size	2024 KB

控制设备开关
Topic: cmnd/ZBbridge_CD992D/ ZbSend
控制设备开关
Payload:{ "Device":"0xA4C13828D05308F3","Endpoint":1,"Send":{"Power":0}}

"Power":0　关

"Power":1　开

"Power":2 反转

读设备开关状态
Payload: {"Device":"0xA4C13828D05308F3","Endpoint":1,"Read":{"Power":true}}

Zigbee 协议接口
{"Device":"0xA4C13828D05308F3","Cluster":6,"Endpoint":1,"Read":[1,2]}

数据上报主题
tele/ZBbridge_CD992D/SENSOR

设备开关状态
{"ZbReceived":{"0xFAAF":{"Device":"0xFAAF","Power":0,"Endpoint":1,"LinkQuality":92}}

设备计量数据
{"ZbReceived":{"0x3CE9":{"Device":"0x3CE9","Power":0,"0006/8001":1,"tyStartUpOnOff":0,"RMSVoltage":241,"RMSCurrent":0,"ActivePower":0,"CurrentSummationDelivered":"0x000000000000","E000/D001":null,"E000/0002":null,"Endpoint":1,"LinkQuality":113}}}

"0006/8001":1

0006:Cluster ID

8001:属性 ID

Topic: tele/ZBbridge_CD992D/RESULT

Zigbee 子设备离网信息上报
{"ZbLeftDev":{"IEEEAddr":"0xA4C13828D05308F3","ShortAddr":"0x3CE9"}}

Zigbee 子设备组网信息上报
{"ZbJoinDev":{"IEEEAddr":"0xA4C13828D05308F3","ShortAddr":"0x3CE9","PowerSource":true}}

获取所有设备列表
Topic: **cmnd/ZBbridge_CD992D/ZbInfo**
Payload :null
响应
Topic: tele/ ZBbridge_E7B5BD/SENSOR
{"ZbInfo":{"0xF0F3":{"Device":"0xF0F3","IEEEAddr":"0xA4C138236CCCC6DA"}}}

获取指定设备列表
Topic: **cmnd/ZBbridge_CD992D/ZbInfo**
Payload :" 0xF0F3"
　　　OR "0xA4C138236CCCC6DA"
响应
Topic: tele/ ZBbridge_E7B5BD/SENSOR
{"ZbInfo":{"0xF0F3":{"Device":"0xF0F3","IEEEAddr":"0xA4C138236CCCC6DA",
"ModelId":"TS0502B","Manufacturer":"SMARTLIGHTCW",
"Endpoints":[1],"Dimmer":254,"CT":143,"ColorMode":2,
"Power":1,"Reachable":true,
"LastSeen":357,"LastSeenEpoch":1727943684,"LinkQuality":84}}

网关系统重置
Topic: cmnd/ ZBbridge_CD992D /Zbreset
Payload :1

获取网关配置信息
Topic: cmnd/ ZBbridge_CD992D /Zbconfig
Payload;NULL
响应
Topic: stat/ZBbridge_E7B5BD/RESULT
Payload:
{"ZbConfig":{"Channel":15,"PanID":"0x64EC","ExtPanID":"0x0000BDB5E7C964EC","KeyL":"0xE7C
964ECB5BF4068","KeyH":"0xE7C964ECB5BF4068","TxRadio":11}}

Topic: cmnd/ ZBbridge_CD992D /ZbSend

Payload:

{"Endpoint":1,"Device":"0xAE58","Send":{"AddGroup":1}}

Topic: tele/ ZBbridge_E7B5BD /SENSOR

{"ZbReceived":{"0xAE58":{"Device":"0xAE58","0004?00":"000100",
"AddGroup":1,"AddGroupStatus":0,"AddGroupStatusMsg":"SUCCESS",
"Endpoint":1,"LinkQuality":84}}}

Topic: cmnd/ ZBbridge_CD992D /ZbSend

Payload:

{"Endpoint":1,"Device":"0xAE58","Send":{"RemoveGroup":1}}

Topic: tele/ ZBbridge_E7B5BD /SENSOR

Payload:

{"ZbReceived":{"0xAE58":{"Device":"0xAE58","0004?03":"000100",
"RemoveGroup":1,"RemoveGroupStatus":0,
"RemoveGroupStatusMsg":"SUCCESS","Endpoint":1,"LinkQuality":81}}}

Topic: cmnd/ ZBbridge_CD992D /ZbSend

Payload:

{"Endpoint":1,"Group":1,"Send":{"power":1}}

Topic: tele/ ZBbridge_E7B5BD /SENSOR

Payload:

{"ZbReceived":{"0xAE58":{"Device":"0xAE58","Power":0,"Endpoint":1,"LinkQuality":100}}}

Topic: cmnd/ ZBbridge_CD992D /ZbSend

Payload:

{"Endpoint":1,"Device":"0xFAAF ","Send":"0704!02/0000313132323333"}

数据	解释
0704	表示 cluster 为 0x0704
!	Cluster 和 CMD 的分割符
02	cluster 里面的命令
/	数据分割符
0000313132323333	ZCL 数据（hex）