

Module	Features	Update/Get DomoticZ data via	Send/Get data TO/FROM MODULE	Send/Get data VIA	Technical POI
DomoticZ	Database/Display panel				
iot_ESP8266_GM43.ino	Lighting management	Update --> MQTT[domoticz/in] Get <-- MQTT[domoticz/out]	NO		
iot_ESP8266_DHT22.ino	Read DHT22 sensors. Answer to HTTP JSON requests.	NO	NO		
iot_ESP8266.js	Polls the temperature sensors and log the values within Domoticz database. Raise failure flag if sensors don't answer to requests.	Update --> JSON_API	iot_ESP8266_DHT22.ino	Get <-- HTTP	
iot_ESP8266_ACS712.ino	Read ACS712 sensors. Send via MQTT its heater consumption and log via MQTT its ESP8266/ADC reading values	Update --> MQTT[domoticz/in] Get <-- MQTT[domoticz/out]	iot_Heaters.js	Send --> MQTT[heating/in] Get <-- MQTT[heating/out]	
iot_ACS712.js	Consolidate individual heater consumptions. Calculates Thermal loss and Heating/Cooling Ratios	Update --> JSON_API	NO		
iot_Heaters.js	Manage Heating zones activation/unactivation (GUI within DomoticZ and actual command sent by this program to heating/out). Log actual heaters nominal power (listen heaters consumption log messages at domoticz/in and heating/in). Monitor the heaters and raise failure flag if one of them die (listen MQTT will messages at domoticz/in).	Update --> JSON_API Get <-- MQTT[domoticz/out]	iot_ESP8266_ACS712.ino	Send --> MQTT[heating/out]	
iot_CVQ6081-ARM.cpp	Alarm server. Interfaces the CVQ6081 alarm breakout	NO	NO	Send/Get -- PUBNUB[AlarmUserCommands]	
iot_CVQ6081.js	Allow to use DomoticZ Security Panel to arm/disarm the alarm. Monitor the alarm server and raise failure flag if alarm server doesnt answer correctly.	Update/Get --> JSON_API	iot_CVQ6081-ARM.cpp	Send/Get -- PUBNUB[AlarmUserCommands]	
MainActivity.java AlarmCommandPanel.java PubnubKeys.java	Legacy Android app to arm/disarm Alarm and set configuration options	NO	iot_CVQ6081-ARM.cpp	Send/Get -- PUBNUB[AlarmUserCommands]	