Interface architecture concept



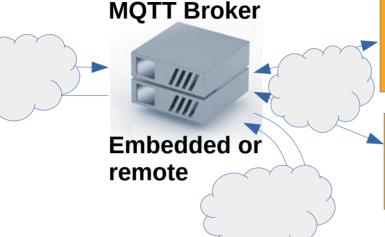
MQTT Client
OhmPi
(multithreading)
Publishes on
data/log/SOH

Subscribes to control

MQTT Channels:

- → control
- → data
- → log
- → SOH

...



MQTT Client(s)

System controler(s)
Publishes on control &
subscribes to data/log/SOH
example tasks: send a predefined
or adaptative sequence of
measurements, start or stop the
system on alarms (e.g. other
sensor...)

Web interface MQTT dashboard

Python,...

MQTT Clients

Data consumers/monitors
Subscribe to data/log/SOH
[Publish on additional channels]
example tasks: display the
progress of aquisitions, process
data on messages or conditions,
generate alarms to trigger other
processes, store data/log/SOH
in DB...