

Telit Technical Workshop

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Telit **ONEEDGE**® Demo Device

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Key OneEdge Elements

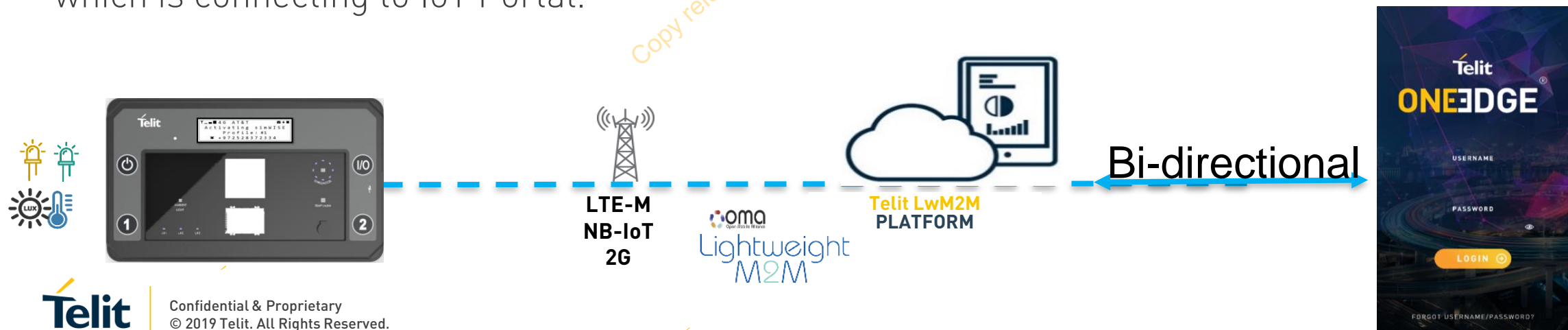
- General note: we created TS-OneEdge@telit.com, dedicated OE support team.
- Initial setup and 0-touch onboarding.
- Device management and the tools available: FOTA App, DM App and mobile APP.
- LwM2M data sending and receiving messages.
- Remote Device management features.
- Basics of edge intelligence: LwM2M Observe.
- Portal and developer view (Management Portal, Cloud triggers, CDP, etc...)





OneEdge Demo

- The demo kit is an IoT application built around an ME910C1 module and OneEdge technology components
- The software application is running on AppZone (no external MCU). Sensors, OLED screen and peripherals are connected directly to the module and managed by AppZone
- The device automatically connects to cellular network and Telit Portal. Telit is giving customers the Appzone 'C' we wrote...
- The device can be managed and controlled either from the IoT Portal or the iOS/Android app which is connecting to IoT Portal.



OneEdge Demo Device

Main Elements



Connectivity

Telit ME910C1-WW LTE M1/NB1 + 2G FB
2FF SIM slot & SimWISE Profile
PCB on board 2G-4G RF Antenna
GNSS Antenna Patch

Sensors

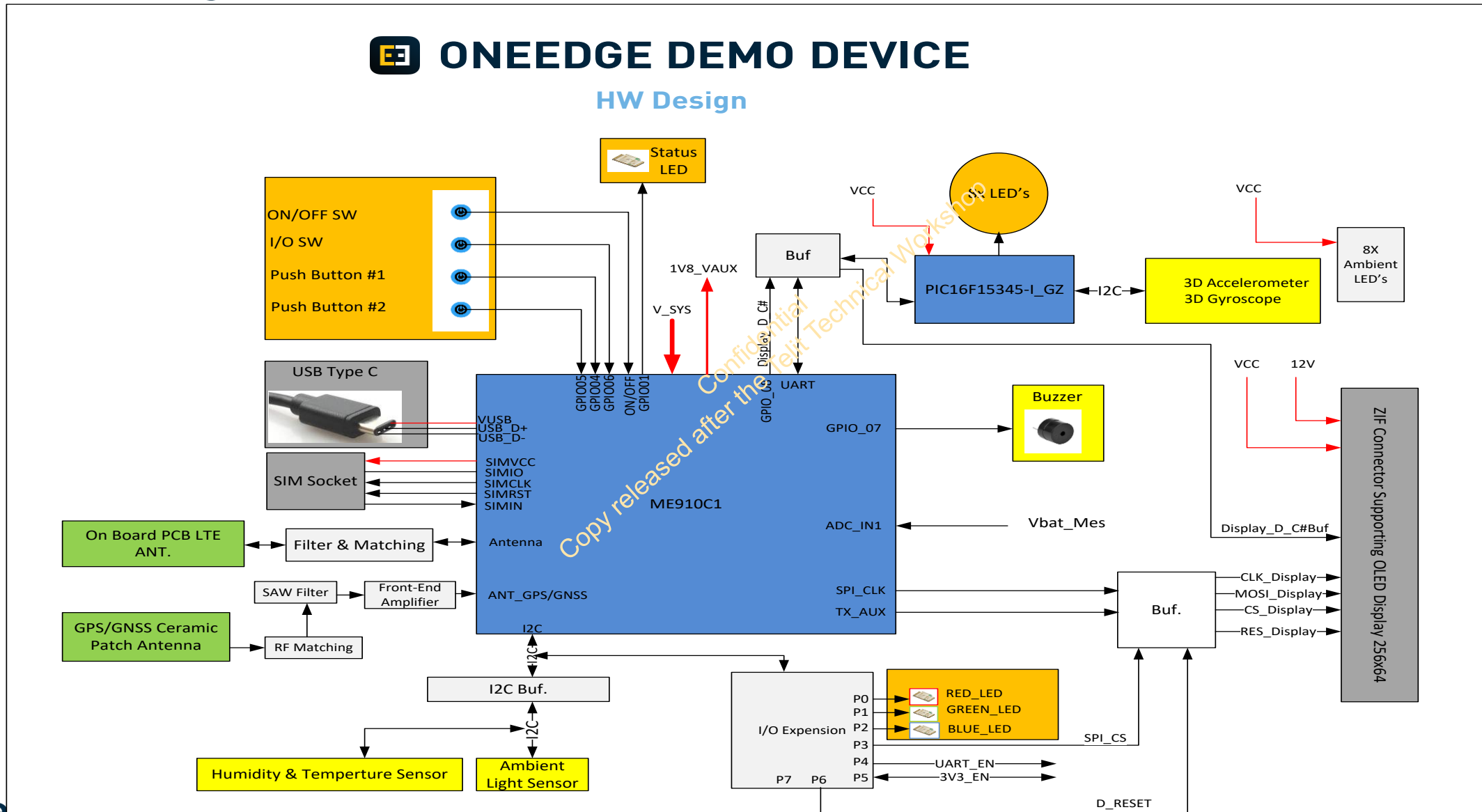
Temperature →I2C
Humidity →I2C
Ambient Light →I2C
3D Gyro →UART
3D Accelerometer →UART

Peripherals

OLED 2.8" Display (256 X 64) →SPI
8 x LED's for Gyro sensor use (Blue) →UART
3 x LED's Remote controlled from portal (R,G,B) →I2C
1 x LED ON/OFF indication →GPIO
1 x LED charging indication →Autonomous
1 x USB Type C connector →GPIO
3 x Frame Buttons ("1", "2", "I/O") →ON/OFF PIN
1 x Frame "ON" & "OFF" Button →GPIO
1x Buzzer →GPIO



Block Diagram





Thank You!

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