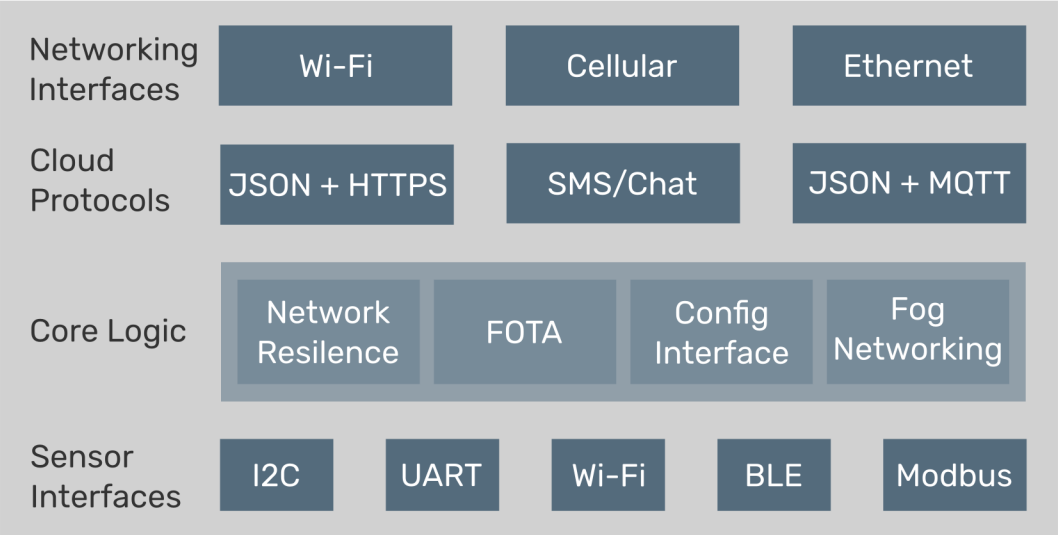
ZCom - IoT Gateway

ZCom is our IoT gateway solution, that interacts with wired and wireless sensors and forwards the data to various cloud services. In case of non-availability of internet connectivity the data is stored in local storage and then forwarded once internet connectivity becomes available.



Sensor Interfaces

Our IoT gateway is equipped with a variety of sensor interfaces,that allow it to acquire data from a variety of sources. I2C enables connection to on-board wired sensors like accelerometer, temperature sensors, magnetometers etc. UART enables connectivity to sensors like GPS,fingerprint, RFID, etc. Wi-Fi gives access to remote sensor for location, identification. BLE used for asset tracking. Modbus for connecting PLCs and monitoring parameters within industrial systems.

Core Logic

Network Resilience - In case of network failures, data is stored in a local storage and pushed to cloud upon restoration of connectivity.
FOTA - Enables new features and fixes to be applied to the software running on the field.
Configuration Interface - Various configurable parameters can be programmed through serial or SMS/Chat interface
Fog Networking - Filtering and processing data to reduce network bandwidth while pushing it to cloud. Auto applied when conditions are met.

Cloud Protocols

HTTPS - Publish data to the cloud in JSON format.
MQTT - Publish data and subscribe for data from devices.
SMS/Chat - Send text updates and receive config/control.

Networking Interfaces

Wi-Fi - Plugs into existing internet infrastructure.
Cellular - Mobility, standalone, wireless WAN.
Ethernet - Plugs into existing internet infrastructure.

Applications

- Vehicle Tracking System
- Smart Home
- Industrial IoT

Related Services Offered

* Gateway development & Customization
* Configuration tool development for mobile devices
* GPS Instant fix configuration
* Firmware over the air (FOTA)
* SMS based control & Configuration development
* MODBUS/BLE/I2C Sensor node development
* MQTT Server/Client dashboard development

Why Zilogic?

* Single source for both Software and Hardware expertise.
* Renowned for advocating FOSS in embedded systems for more than a decade.
* Focussed in Product Engineering with a team strength of 180+.
* 100+ Skilled expertise in Linux and Open Source platform

About Zilogic

Zilogic Systems is a product-realization company specializing in embedded technologies. We cater to IoT, Automotive and Wireless industries. We are a single source for hardware, firmware, system software, application software and test automation engineering expertise.

Instituted in 2007, we have been serving the industry for more than a decade. With a strong team of 150+ engineers, we have been recognized as reliable partners by fortune 500 companies.

Over the years, we have nurtured the use of open source software in embedded systems, which historically has been dominated by proprietary software tools. We contribute by submitting patches to poular open source projects, releasing software and tools under open source licenses, and by running workshops and meetups related to Linux in embedded systems.

For more information, visit us at **www.zilogic.com**

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