INTERNET OF THINGS

Product Sheet

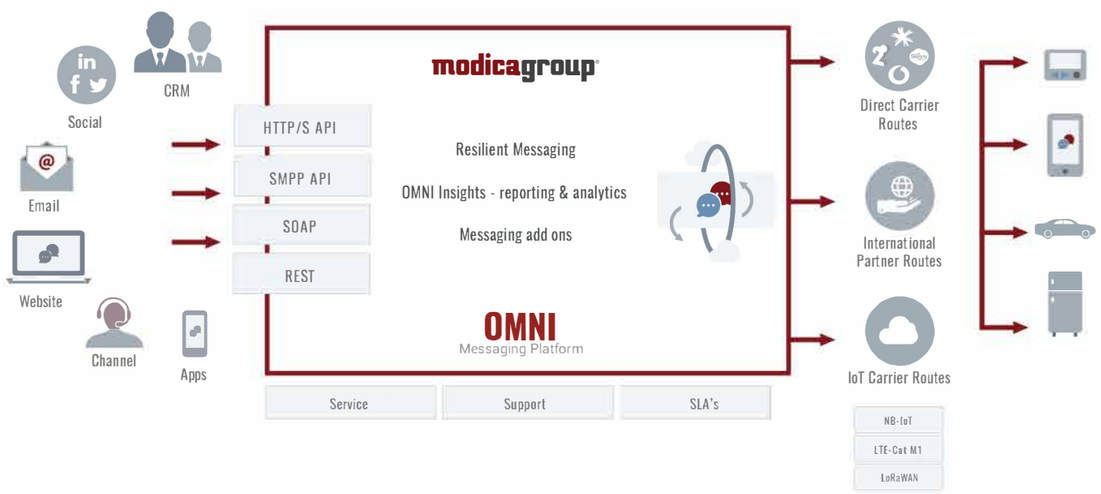
SUMMARY

In the new Internet of Things (IoT) and Machine to Machine (M2M) landscape there is a growing list of SMS use cases in both the Machine to Application (M2A) and the Application to Machine (A2M) areas. At Modica Group, our OMNI platform is being constantly expanded to include additional messaging services to support new technologies and our customers changing needs.

HOW DOES IT WORK?

We currently support connections to IoT devices though both Direct Carrier and International Partner routes for 3G and 4G connectivity. We also have a current program of work integrating the newer IoT networks including: NB-IoT, LoRaWAN and LTE-Cat M1.

When our customers need to send or receive messages or data to IoT devices from their back end applications, we provide application connectivity via one of our range of API's. If the requirement is for manual communications, our customers utilise one of the tools from our suite of hosted applications in the OMNI platform.



FEATURES

- Message aggregation from multiple IoT devices across different networks and geographies
- A range of well documented APIs and hosted applications for communicating with IoT devices and receiving data
- Global message forwarding to other networks and MSISDN's
- Real time and historical reporting by device and aggregated service
- Two way messaging (subject to device and network)
- Integration with other SMS and messaging services /API's

BENEFITS

- **Message aggregation** from multiple IoT devices across different networks and geographies allows devices to be managed as a comprehensive solution through a single messaging provider. This decreases the number of touchpoints when troubleshooting issues, provides a single SLA and decreases set up time and cost.
- **Decrease development costs and time to market** - Utilising Modica hosted applications and API's allows IoT systems to be developed without having an app to communicate with end users and devices. By quickly connecting via our APIs Developers can minimise initial development time and prevent ongoing app maintenance for OS releases.
- **Eliminates app fatigue**- Using SMS for communications to IoT devices combats app-fatigue for solutions that send infrequent messages to customers. E.g. Connected car fault notifications, connected smoke alarms each having their own app. As SMS is two way the device or service owner can then respond to the alert with an actionable code.
- **Task based SMS for IoT Devices**- Machine to Machine (M2M) and IoT applications can directly use SMS where there is a requirement for an SMS to carry triggering information to wake up devices and initiate data transmission, this extends the life of the battery. In some cases SMS may also be used to transport data, or for OTA provisioning or configuration of the SIM. With IoT this is normally for large numbers of devices and so a stable and scalable solution is needed.

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