Innovation Summit 2016

Solution Track

Solution track

14:00-14:45

Create business values
with the Internet of Things

Alexis Morlière
Service Sales Manager,
Cloud & Connectivity Services

16:00-16:45

How AirVantage iot Platform
simplifies operations and
accelerates development

Didier Lahay
Product Management Director,
Cloud & Connectivity Services

15:00-15:45

A single SIM SKU
for all your global deployment

Cyril Hullin
VP Product Marketing,
Cloud & Connectivity Services

16:45-17:30

End-to-end security solution
with Sierra Wireless

Julien Vermillard
Principal Engineer,
Cloud & Connectivity Services

Innovation Summit 2016

SIERRA WIRELESS®

AirVantage
IoT Platform

AirVantage

Unified platform for
Connectivity
Device
Application Data Management

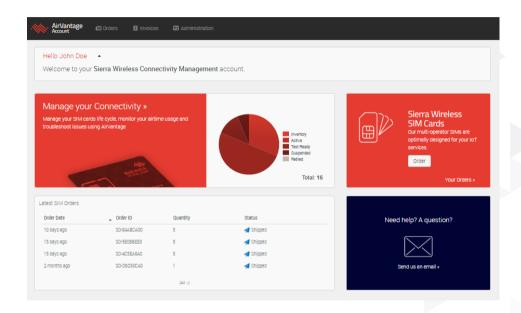| Build | Deploy | Manage |

1. Connectivity Management

Self care portal

Ordering / Delivery tracking / SIM Inventory

On demand activation / Suspend / Resume

Price plan selection / Single / Bulk operations

Multi users and sub accounts, Grouping

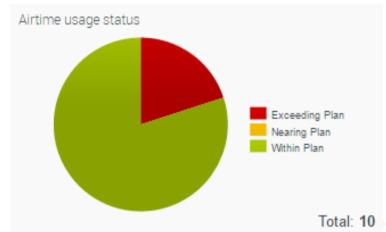Opened to non Sierra Wireless SIM

API available for integration

Manage SIM Operations in a single console

Connectivity Monitoring

Dashboard for Fleet & Individual consumption tracking

Consumption alerts based on user defined threshold

Fraud alert on unauthorized calling number

Bill shock & Fraud Prevention

Airtime usage status

- Exceeding Plan
- Nearing Plan
- Within Plan

Total: **10**

Alerts

Name	System	Last occurrence
Consumption status for SIM is NEARING P...	SIM 89332401000003052210	5 days ago
Consumption status for SIM is NEARING P...	SIM 89332401000003052244	5 days ago
Warning: Monthly usage has reached 100k...	SIM 89332401000003052210	10 days ago
Warning: Monthly usage has reached 100k...	SIM 89332401000003052244	11 days ago
Warning: Monthly usage has reached 100k...	SIM 89332401000002527709	11 days ago

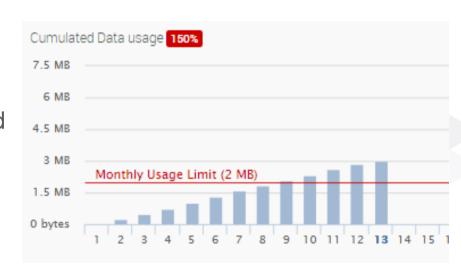(All »)

Connectivity Diagnosis

Monitor non communicating SIM within a time period

Check SIM traffic history

Check SIM sessions history and trend

On demand real time SIM status

On demand SIM detach to force network reselection

Cumulated Data usage 150%

Monthly Usage Limit (2 MB)

Improve Customer Support
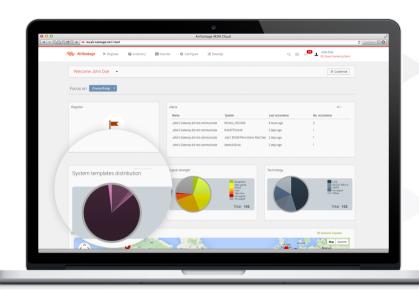
2. Device Management

AirVantage

Remote Configuration and Upgrade

Mass configuration update

Configure different value per device

Identify last template applied on each device

Upgrade software OTA / Full or Delta

Keep configuration up to date on each device
Deploy new features
Protect end customer assets from security flaws

Remote Monitoring & Alerting

Collect and store status report from devices

Device data visualization through configurable dashboard

Map View / List View / Drill down into device view

User defined rules to be alerted on critical events

Built in commands: wake up, send command, reboot

Built in online status monitoring with notifications

Built in Dashboard for Connected devices

Built-in end to end security

Mutual authentication, encryption based on standard protocols

Keys pre-loaded in factory

Key Rotation: Update keys overtime

Application & firmware download integrity

Pre integrated with Sierra Wireless products

Administrator can configure strict access rules

No security scheme to be implemented

3. Application Enablement

AirVantage

Connect   Collect   Analyze

Connect Any Device

Collect machine data

Supports standards HTTP(S) / MQTT (SSL) / LWM2M (DTLS)

Send remote commands to many devices

Big data storage and predefined analytics

Event processing

Infrastructure provided with 99,9% uptime SLA

Focus on differentiation

Development tools & API for integration

Integrated with ALEOS and Legato application frameworks

Visualizations with configurable views Fleet / Map / List / Machine

Quick access to any history of data

Communications timeline

Built in rules engine to create alert events

Integration through REST API

Pre-integrated Data push connectors Google Pub/Sub,
Amazon Kinesis / SQS, AMQP

Quickly develop an IoT solution

One Management Platform

Connectivity Management

Device Management

Application Enablement
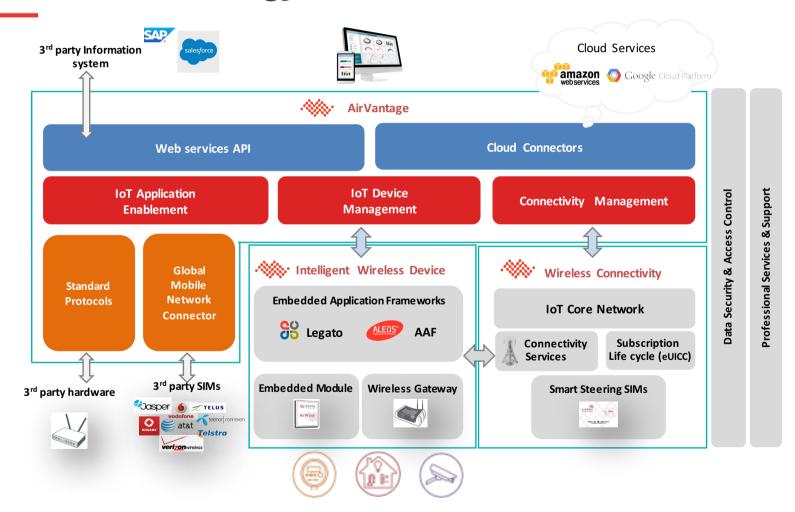
AirVantage

To reduce up front investments and faster ROI

They choose Sierra Wireless

Sierra Wireless Technology Stack

3rd party Information system

Cloud Services

AirVantage

| Web services API | Cloud Connectors |

| IoT Application Enablement | IoT Device Management | Connectivity Management |

Standard Protocols

Global Mobile Network Connector

Intelligent Wireless Device

Embedded Application Frameworks

Legato   AAF

Embedded Module   **Wireless Gateway**

Wireless Connectivity

IoT Core Network

Connectivity Services   **Subscription Life cycle (eUICC)**

Smart Steering SIMs

3rd party hardware   **3rd party SIMs**

Data Security & Access Control

Professional Services & Support

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Questions?