



# AirVantage® Data Insights

Securely manage and orchestrate data from your cellular and LoRaWAN-based devices to your cloud. Get the right data, at the right time, with the right priority, to the right system.

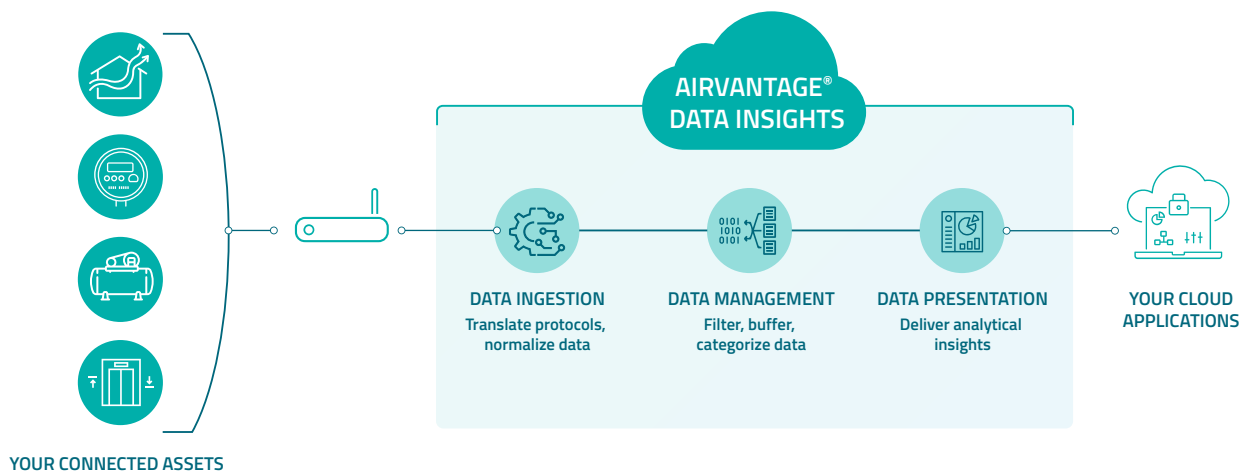
## Realizing the IoT Promise of Transformation

Many companies that have deployed IoT solutions have seen demonstrable improvements in automating supply-chain processes, optimizing asset utilization, reducing operating costs and gaining other operational efficiencies. These are companies who've met the challenges inherent in dealing with the avalanche of data streaming from a multitude of connected fixed and mobile assets. However, for many other companies, the promise of business transformation is stalled due to the complexities of managing this IoT data, which can come from a variety of device types that communicate over a multitude of protocols and send data of undetermined priority and relevance.

## AirVantage Data Insights

AirVantage Data Insights is a cloud-based platform that helps you achieve the promise of IoT business transformation by enabling you to extract, orchestrate, and act on data from your connected equipment. It can program, process, buffer, filter, correlate, protect, and publish normalized data streams from IoT devices to your cloud applications, in the exact format and at the exact time that your applications need it for effective analysis and decision-making.

With AirVantage Data Insights, companies can concentrate on acting on the data that matters to them. Customers can dynamically determine which data will be processed, extracted and transmitted from their IoT assets.



## Key features of AirVantage Data Insights include:



### DATA PROCESSING

Enables you to process the high volume and variety of data from IoT devices, including sensors, gateways, and actuators. This includes protocol translation of a device's native format to a standard format that the destination platform can understand.



### DATA BUFFERING

Lets you buffer data to ensure that it is not lost or corrupted. This is important for applications that require real-time data processing or that need to store large amounts of data.



### DATA FILTERING

Allows you to filter data to remove noise and outliers. This can help to improve the accuracy of your data analysis.



### DATA CORRELATION

Correlate the data from multiple sources to identify patterns and trends. This can help you to gain insights into your data that you would not be able to see by looking at individual data streams.



### DATA STORAGE

Store your devices' normalized data in a variety of formats, including time series databases, relational databases, and NoSQL databases. This allows you to choose the storage format that is best suited for your needs.



### DATA PROTECTION

Protect your data with a variety of security measures, including encryption, access control, and auditing. This helps to ensure that your data is safe from unauthorized access or tampering.



### DATA PUBLISHING

Publish data to a variety of destinations, including cloud-based applications, on-premises databases, and file systems. A range of cloud connectors to make connectivity data from AirVantage Data Insights easy to be consumed by other Cloud applications and enterprise systems.

AirVantage Data Insights is a key component of AirVantage® Services, our portfolio of industry-leading IoT services that help you simplify and scale IoT connectivity, device management, data management and orchestration, and IoT deployment. Semtech has the proven experience and solutions make sure your IoT journey achieves your business objectives and outcomes.

## Contact Us to Learn More

For more information visit our AirVantage Data Insights info page [www.sierrawireless.com/iot-services/data-insights](http://www.sierrawireless.com/iot-services/data-insights) or contact us directly at **1.877.687.7795** or [insidesales@sierrawireless.com](mailto:insidesales@sierrawireless.com).

### About Semtech

Semtech Corporation (Nasdaq: SMTC) is a high-performance semiconductor, IoT systems and cloud connectivity service provider dedicated to delivering high-quality technology solutions that enable a smarter, more connected and sustainable planet. Our global teams are committed to empowering solution architects and application developers to develop breakthrough products for the infrastructure, industrial and consumer markets.

To learn more about Semtech technology, visit us at [Semtech.com](http://Semtech.com) or follow us on [LinkedIn](#) or [X](#).

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