rainVue

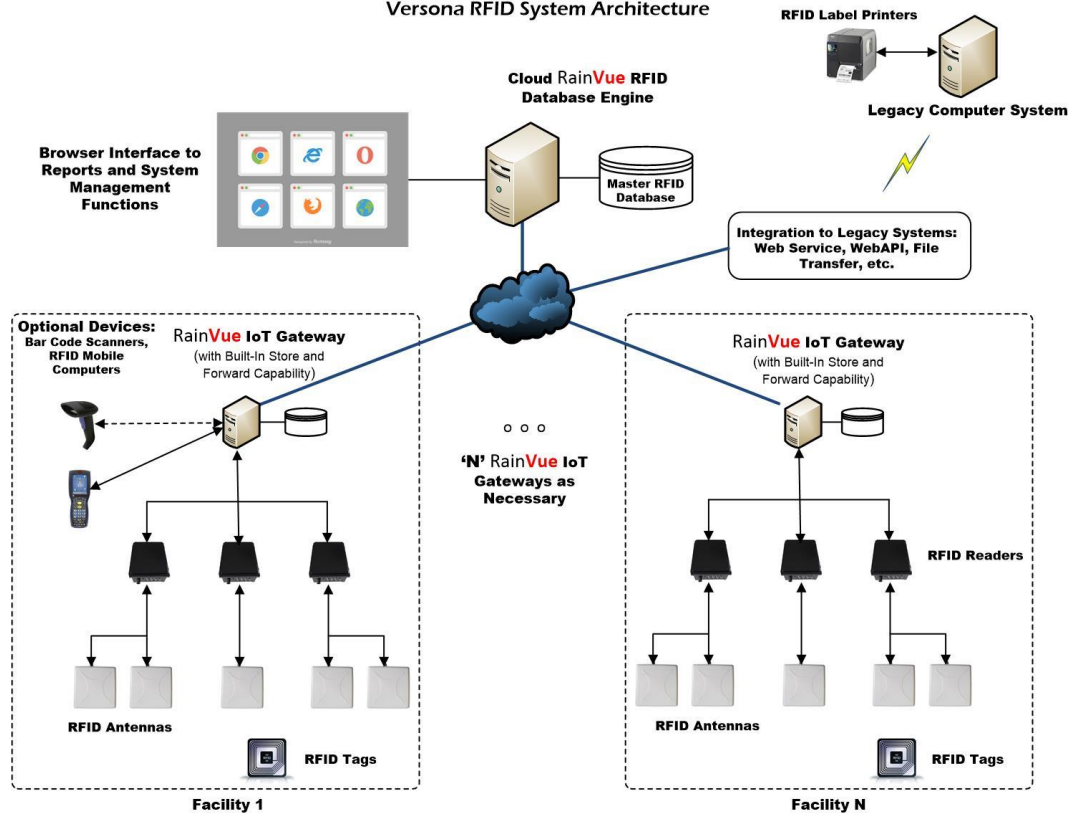# RainVue™ Spec Sheet

ITEM-LEVEL ASSET / INVENTORY TRACKING

Use RainVue™ to track assets and/or inventory, at the item-level, throughout your company and beyond.

SUPPLY CHAIN VISIBILITY

RainVue™ has been designed from the ground up to provide enhanced visibility for the movement of assets, products, and supplies throughout the supply chain.

SECURITY

RainVue™ incorporates multiple levels of security including:

- User Access to RainVue™ by Invite Only
- Role-based Users
- Encrypted Communications
- Password Protected User Access
- Microsoft Azure Data Services

Versona RFID System Architecture

Cloud RainVue RFID Database Engine

Browser Interface to Reports and System Management Functions

Master RFID Database

RFID Label Printers

Legacy Computer System

Integration to Legacy Systems: Web Service, WebAPI, File Transfer, etc.

Optional Devices: Bar Code Scanners, RFID Mobile Computers

RainVue IoT Gateway (with Built-In Store and Forward Capability)

'N' RainVue IoT Gateways as Necessary

RainVue IoT Gateway (with Built-In Store and Forward Capability)

RFID Readers

RFID Antennas

RFID Tags

Facility 1

RFID Antennas

RFID Tags

Facility N

Cloud Service Provider: Microsoft Azure

RainVue™ DB: Microsoft Azure Data Services

RainVue™ Web Application: Microsoft Azure Application Services

Supported Browsers: Any HTML5-Compatible browser

RainVue IoT Gateway: Must have (min) 1 per facility

RainVue IoT Gateway (minimum specs):
- O/S: Linux, Windows 10 Pro, Windows Server 2012 R2
- Memory: 8 GB
- Disk: 120 GB
- Communications: 2 Ethernet Ports
- DB: SQL Server Express

Supported RFID Fixed Readers: Impinj R120, Impinj R220, Impinj R420, Zebra FX9600, Zebra FX7500, Omron V750, SLS SmartPortal, Venture Research Multi-Trak Reader

Supported RFID Mobile Readers: Zebra MC3330R, Zebra MC3390R

Supported RFID Tags: Any EPC Class 1, Gen2 tag

Supported Frequency Range: 866-868 MHz (EU) or 902-928 MHz (US)

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Features and Benefits

• **User Defined Dashboards**	Visability of supply chain across multipal locations or 3PLs
• **Dock Door Audit**	Stops inventory inaccuracies before they happen
• **Item-Level Traceability**	SKUs can be tracked at 99.9% Accuracy
• **Inventory Management**	Reduces invintory needed or reallocation of inventory faster
• **Predictive Analytics**	Provides foundation of real-time data for improved data analytics
• **Chain of Custody Tracking**	Identifies who and when errors happen in the supply chain
• **Scalability**	Roll out new locations faster

System Requirements

- There must be at least one RainVue™ IoT Gateway per facility.

- The customer must provide Versona Systems personnel with remote access to the RainVue™ IoT Gateway. This will give us the ability to provide maintenance and troubleshooting for this network appliance.

- The only "touch-points" for a customer are at the cloud level: The RainVue™ Website or the RainVue™ Integration Tools (Web Service, WebAPI, or File Transfer)

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