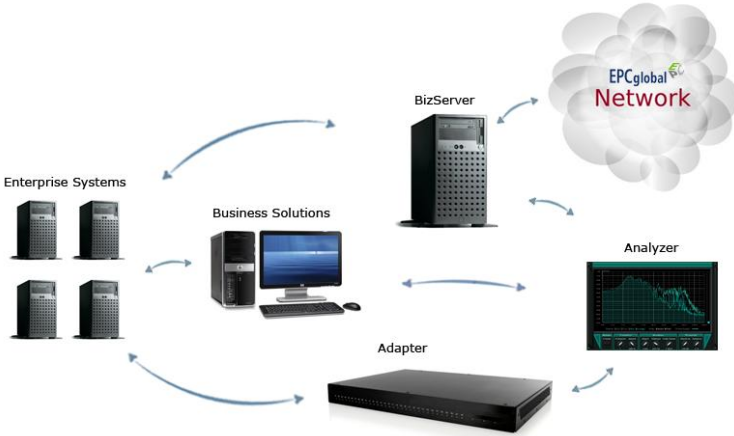# rPlatform™ -The RFID Platform

rPlatform™ is a robust, extensible, standards-based RFID middleware product for use across the entire enterprise that will interface with RFID readers to collect, group, filter, and analyze tag data based upon EPC Global Standards.

Visual Designer - Visual Designer is the rPlatform™ system-wide graphical configuration and deployment tool.

BizServer - rPlatform™ BizServer can perform various business operations on Auto-ID data including persistence, distribution and alerting to notify desired recipients using various communication protocols including Email and SMS. The built-in Enterprise Service Bus allows rPlatform™ to send Auto-ID data to downstream applications using a variety of transports and file formats.

Analyzer - rPlatform™ Analyzer filters and aggregates raw tag data and conforms input data streams to Application Level Events conforming to EPCglobal ALE standards (certified 1.0 compliant in 2006 and 1.1 capable) and passes these events to rPlatform™ BizServer.
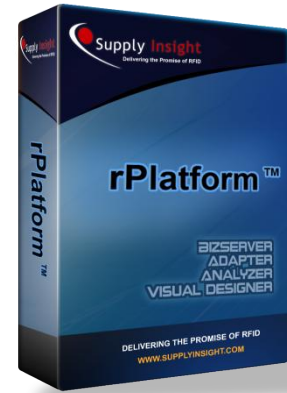
Adapter - rPlatform™ Adapter provides a uniform interface between EPC Gen 2 UHF and non-standard interrogators and rPlatform™ Analyzer. Adapter processes alert rules to activate visual and audible alarms using general purpose output ports of fixed readers.

SUPPLY INSIGHT AUTO-ID SOLUTIONS
Fully integrated, EPCglobal standards compliant RFID and Barcode solutions. Hybrid technology, integrating best-of-breed hardware.

MISSION
Supply Insight's mission is to Deliver the Promise of RFID™, maximize client return on investment and establish relationships based on integrity.

rPlatform™ Benefits:

• Asset Tracking & Tracing
• Inventory Tracking and Management
• Warehouse Management
• Product Authentication
• Visualization & Utilization

rPlatform™ Features:

• Agnostic hardware support for industry leading, LLRP-compliant and non-standard UHF RFID readers. Directly supporting the capabilities of UHF readers from the following manufacturers: Motorola, Impinj, Intermec, Sirit, ThingMagic, Intelleflex and Alien.
• Multiple read cycle modes including GPI-triggered and repeating
• GPO alarming capabilities to trigger external devices
• Alert Rule Manager with notifications & alert history
• Full implementation of EPCglobal standard TDS 1.9 supporting EPC URI schemes including SGTIN, SSCC, SGLN, GRAI, GIAI, GDTI, GSRN, and GID, and now offering User Memory encoding/decoding, Tag Identification(TID) memory bank content definition that can be used to limit counterfeiting, and updated filtering and addition of attribute bits that can be used to specify hazardous materials.
• Component-based health monitoring
• EPC Repository capability
• Multiple transports supported within our ESB
• Optional database and transport encryption

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