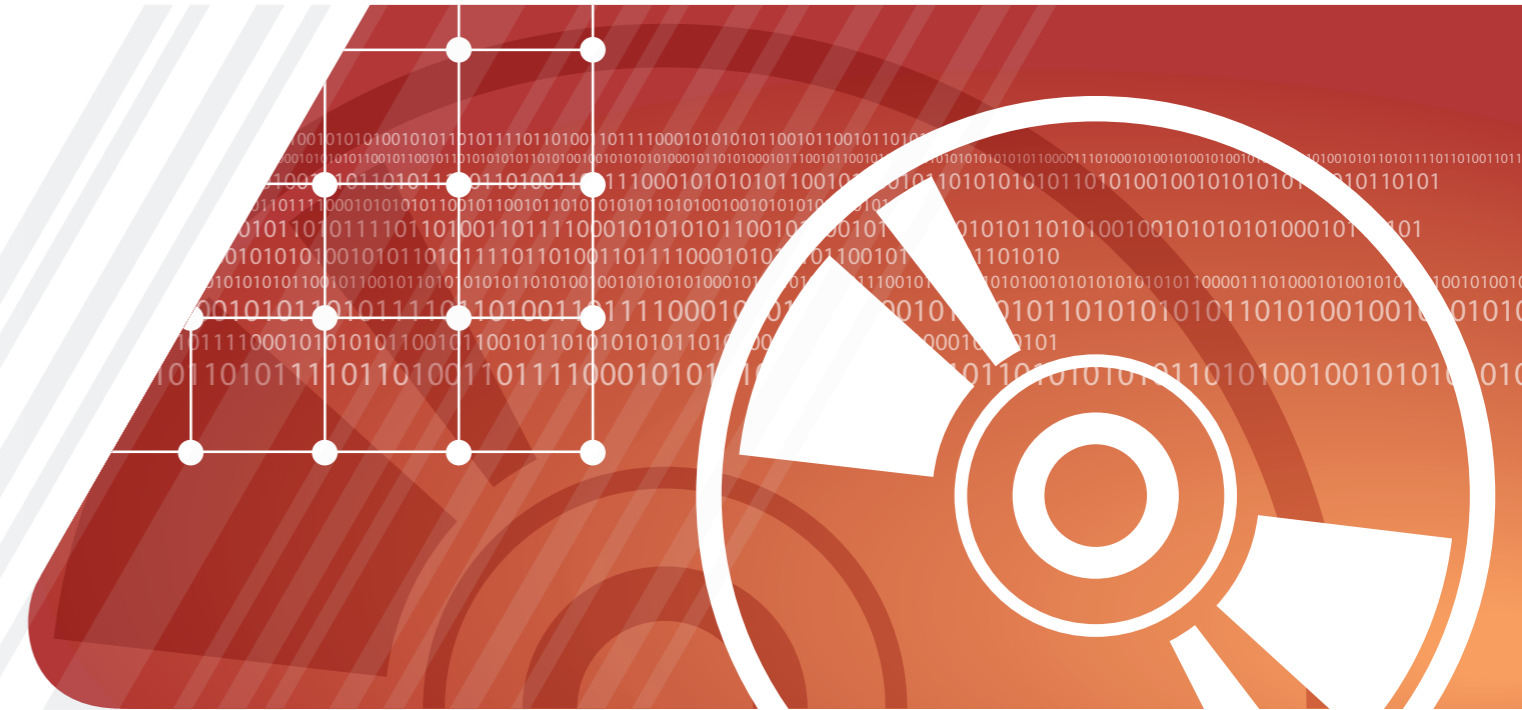# Helping you achieve successful RFID integration using **Microsoft BizTalk**

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Improve real-time communication with supply chain partners

Infrastructure and integration challenges are sometimes cited as reasons for unsuccessful RFID implementation. SATO works with Microsoft and partners to build applications on top of the Microsoft platform that successfully achieves integration and leverage RFID-generated information.

SATO BizTalk RFID – Seamless integration

The SATO BizTalk RFID solution provides an effective way to manage SATO RFID thermal printers on the Microsoft Windows platform – while seamlessly integrating with third-party applications and processes.

What does BizTalk Server 2006 R2 do?

The BizTalk Server 2006 R2 version builds upon the business process management and OA/ESB capabilities in previous releases to help organisations extend core process management technologies even further.

It has new capabilities such as native support for Electronic Data Interchange (EDI), AS2 and RFID.

BizTalk RFID is R2's integral, RFID device-level management layer. It provides a platform for development, implementation and management of RFID data capture solutions.

How does the SATO BizTalk RFID Solution work?

SATO's BizTalk RFID Solution leverages BizTalk RFID's plug-and-play hardware eco-system functionality to manage RFID devices such as SATO RFID thermal printers on the Microsoft Windows platform – delivering an integrated, high performance, low total-cost-of-ownership RFID solution.

It integrates with your existing systems, without modification and enables you to connect with any supply chain partners to get real-time transaction visibility, while eliminating manual business processes.

SATO meets your specific application requirements

To better understand your hardware and labelling needs SATO leads end users through an analysis of your requirements at various stages of the business process. We will provide a solution that harnesses the power of BizTalk Server 2006 R2 to make it simple for customers to connect with you in real-time and share RFID data across systems.

Capabilities

Capabilities of the SATO RFID Device Service Provider Interface (DSPI) software includes automatic discovery of SATO printers; adding, removing and retrieving print templates from the printer; printing, encoding and validating RFID tags and getting status and conditions from the printers. In addition to supporting standard Microsoft compulsory commands SATO DPSI provides flexibility to use custom vendor commands for more complex label layouts.

User-friendly

RFID devices become fully compatible with the Microsoft platform and all users can incorporate RFID into a variety of applications and workflows, simply and easily. They can create a RFID label layout utilising the user-friendly SATO Label Gallery. This can be stored and recalled via the Device Service Provider for printing.

Building blocks for developers

For developers BizTalk RFID includes the building blocks needed to build successful plug-and-play vertical applications – including everything from track-and-trace to asset tracking and inventory control. All types of RFID devices – including current RFID devices, next-generation devices and Electronic Product Code (EPC) readers – can be incorporated in a plug-and-play manner.

About SATO

Established since 1940, SATO is a pioneer and leader in barcode printing and RFID labelling solutions. Committed to ongoing innovation we invented the world's first hand labeller and introduced the first thermal transfer barcode printer. Customers rely on SATO for accuracy, labour efficiencies and resource savings – which in turn help to preserve the environment.

We offer a complete, integrated solution to your business. SATO can take you from the initial stages of consultancy to the installation of labelling equipment and supporting hardware and software in your environment. We will identify and supply the most suitable printers and media for your business processes and provide technical support for the finished systems.

We deliver robust solutions and reliable performance throughout our extensive product range, which includes direct thermal and thermal transfer printers, OEM print engines, 10.5-inch wide web printers, printer accessories, label design software, labels and thermal transfer ribbons. Our new generation of RFID printers use radio frequency to read and write data on a 'smart' label and these fully comply with the latest industry standards.