SATO

SATO Integrates Microsoft® BizTalk RFID Platform to Provide Robust & Cost Effective RFID-Enabled Supply-Chain Solution

Microsoft® BizTalk® Server

Are you faced with issues synchronizing data from various enterprise information systems and supply chain partners? Are you finding it difficult to track RFID-tagged products and accessing information in real-time? Are you an integrator helping a client overcome such supply chain challenges?

You can rely on **BizTalk Server:** it connects disparate systems and helps automate the associated business process.

What Is BizTalk RFID?

BizTalk Server builds upon the Business Process Management and OA/ESB capabilities in prior releases to help organizations extend core process management technologies even further with new capabilities like native support for Electronic Data Interchange (EDI), AS2 and RFID. BizTalk RFID is R2's integral, RFID device-level management layer. It is a platform designed to provide a scalable, extensible platform for development, deployment, and management of rich RFID and data capture solutions. In brief, it enables enterprise application integration on the Microsoft platform.

What Is SATO BizTalk RFID Solution?

The SATO solution leverages BizTalk RFID's plug-and-play hardware eco-system functionality and provides a uniform way to discover, communicate and manage RFID devices, such as SATO RFID printers on the Microsoft Windows platform, and **seamlessly integrates with third-party applications and processes.**

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

How Does SATO Work With You?

...you, the end-user

SATO leads you through an analysis of your requirements of the various stages of the business process to better understand your hardware and labelling needs. SATO works closely with partners and industry leaders and when it comes to an integrated RFID solution for business, SATO and Microsoft deliver an integrated RFID solution that enables high performance, low-total-cost-of-ownership RFID solutions.

...you, the integrator

BizTalk RFID includes the building blocks developers need to build successful plug-and-play vertical applications, everything from track-and-trace to asset tracking and inventory control. The Microsoft RFID Infrastructure is designed to allow all users to incorporate RFID into a variety of applications and workflows simply and easily. It does so by enabling RFID devices to become fully compatible with the Microsoft platform.

Microsoft's approach succeeds by adding new software layers to the technology – that allows all types of RFID devices, including current RFID devices, next-generation devices, and EPC (Electronic Product Code) readers to be incorporated in a plug-and-play manner.

www.sato-oceania.com

Return on IT Infrastructure:
Reduce business risk by integrating with end-users' existing systems without modification using a proven, scalable, and reliable solution.

Return on Processes:
For supply chain operators: Easily connect with supply-chain partners wherever they may be, get real-time transaction visibility, and eliminate manual B2B business processes.

Return on People:
Empowering employees and increasing productivity.

How the SATO Device Service Provider fits in the Microsoft RFID Service Framework

How SATO Printers Work With BizTalk RFID

SATO provides a simple way to work with Microsoft BizTalk Server.

The user creates a RFID label layout using a user-friendly interface afforded by NiceLabel, stores and recalls it from the SATO RFID printer via the Device Service Provider for printing.

The SATO RFID Device Service Provider software works with Microsoft BizTalk to provide a uniform way of instantiating, communicating with and managing the SATO RFID thermal printers.

SATO RFID solution harnesses the power of BizTalk Server to make it simple for customers to connect real-time and share RFID data across systems.
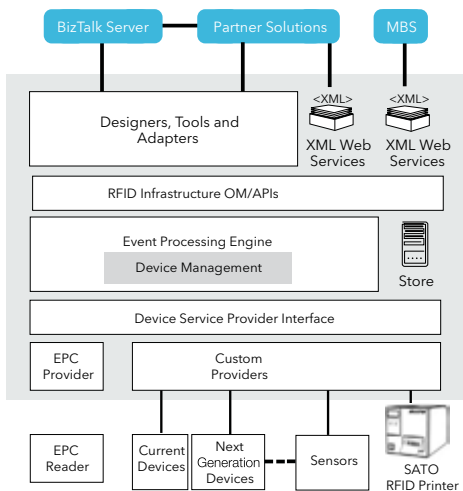
The SATO RFID Device Service Provider Interface (DSPI) software enables the SATO RFID Printers' plug-and-play capability with BizTalk RFID. The SATO DSPI makes use of the abstract classes defined in the Microsoft RFID Service Framework / Server runtime to provide features like handling discovery, configuration, communication and device & connection management on the SATO printers.

Capabilities of SATO DSPI:

- Auto discovery of SATO printers – Synchronous and asynchronous
- Add/remove/retrieve print templates from printer
- Print, encode and validate RFID tags
- Get status/conditions from the printers
- Printed tag notification

Key Features and Benefits:

- SATO's RFID printers support GEN2 standards
- In addition to supporting standard Microsoft compulsory commands, SATO DPSI provides flexibility to use custom vendor commands for more complex label layout
- Easy storage of label templates through a simple-to-use software tool, which allows you to design and store up to a maximum of 999 formats label templates in the printer
- Auto discovery of SATO printers and remote connection management
- Remote management of label templates – store, edit and delete

SATO Products
- **Printers:** Barcode & RFID
- **Consumables:** General or customised Labels, Tags, RFID labels & tags,
- **Specialty tags**: e.g. DuraMark™ wristbands, FlagTagSolution™, linerless labels
- **Software:** NiceLabel, Label&Track™ Software Solution, iTRAK Software, Printer Integration Solutions & Professional Services

Key Vertical Focus
- Healthcare
- Retail
- Manufacturing
- Transportation and Logistics
- Hospitality and Commercial Services
- Government
- Primary Industries

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