

F2

e-Logistics Application Services for RFID

- ❑ *Essential e- logistics application services for inventory visibility, asset tracking, production and repair processes*
- ❑ *Seamless integration with RFID, barcode, PLC, ERP and other systems through JPC*
- ❑ *Business intelligence and analytics for real time data*

F2's Web Application Services

Targets ebusiness logistics

Analyzed information on demand

With the evolution of the Internet, a web site is more than a display of contents. It is a gateway through which electronic business is actually conducted. F2 is a suite of application services from Asta Systems that targets the logistics of e-business in the areas of tracking, visibility, execution, collaboration and control. F2 provides analyzed information on demand whenever and wherever needed.

e-Logistics Solution with JPC

Powerful Scalable Real-time

JPC as data concentrator

e-Logistics is a combination of Internet based services designed to improve business processes for customer and supplier networks. The combination of Mitsubishi Electric's JPC box and Asta System's web application services creates a powerful, scalable solution. Utilizing real-time information, companies can improve the visibility and efficiency of their supply chain, while improving customer service levels.

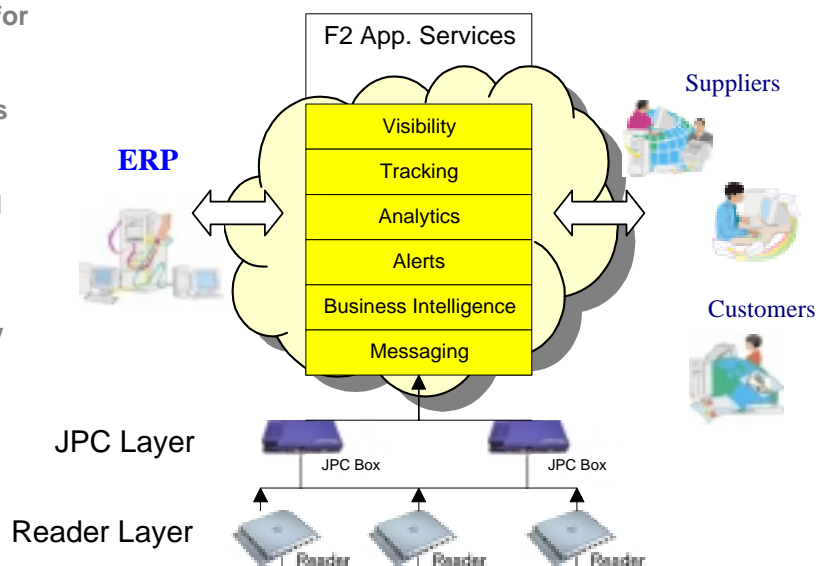
JPC (Java Platform Controller) is a product from Mitsubishi Electric. It is a data concentrator for disparate real-time data sources such as RFID readers, Barcode readers, PLC devices and ERP systems.

e-Logistics Solutions Configuration

Key Business Benefits

- Real-time visibility via Internet for employees, customers and suppliers
- Reduced customer service calls
- Increased productivity through automated updates
- Greater inventory accuracy and asset accountability
- Scalable to multiple locations
- Visibility to entire supply chain
- Improved operational efficiency
- Business process automation

INFORMATION GATEWAY



RFID Tracking & Visibility Services

Gain competitive advantage

Total RFID solutions

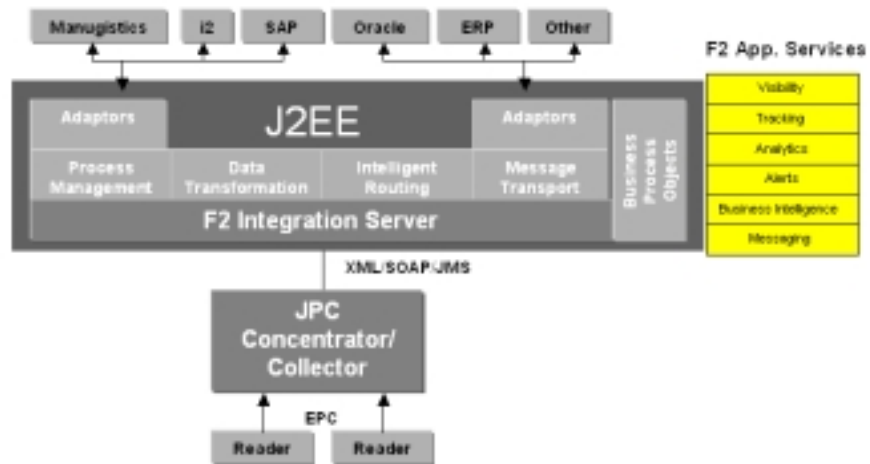
Seamless integration with JPC

RFID tracking for warehouses, manufacturing, distribution, production lines

With the standardization of Radio Frequency Identification (RFID) technology, more and more industries are taking on RFID initiatives to gain competitive advantage. However, the astronomical amount of data collected from RFID tags will overwhelm users to make any sensible use of them. The speedy real time data flow also poses handling issues. Mitsubishi Electric's JPC box is a powerful data concentrator capable of retrieving massive data streams from RFID readers and other data sources with built in adapters. Asta Systems' F2 RFID application services works seamlessly with JPC to provide total RFID solutions. Major modules cover inventory/asset tracking, data filtering, business intelligence, emergency alerts, data visibility and analytics.

Common implementation of F2-JPC solutions includes:

- Inventory/asset tracking – tracks valuable items for company-wide accurate inventory accountability
- Return, repair, refurbish parts tracking – tracks progress for own performance monitoring and customer service improvement
- Parts and components tracking – tracks parts movement through manufacturing production line for controlled project management and to facilitate warranty and repair.
- Pallets/containers tracking – tracks all stages of the distribution network to ensure on schedule deliveries.



F2's e-Logistics Application Services

*Easy to implement
User friendly*

*Complement
Back-end systems*

F2's application services offer a highly scalable, easy to implement and user-friendly solution for companies to conduct and manage their e-business processes. Each solution can support a single enterprise as well as distributed enterprise. It complements and interfaces with back-end systems without any disruption to current operations. Its modular design allows companies to easily select and put together a collection of services that best suits their specific needs, with low capital investment. As business grows, each service can be added when the need arises.

ASTA is an enterprise e-business application company providing critical interactive solutions across value chains.

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