Luminate Commerce

BlueYonder

Dispatcher Warehouse Management

Optimize service levels, throughput and cost in real-time

Business context

The accelerated transition to eCommerce, omni-channel, and hyperlocal fulfillment are causing shippers and logistics service providers (LSPs) to renewing their distribution networks with digital operations. The need to address higher fluctuations in demand and cater to more varieties of fulfillment and direct-to-customer orders are necessitating a new level of prioritization, resource orchestration as well as automation. In order to gain a competitive edge with improved fulfillment accuracy and throughput and address unforeseen levels of supply chain disruptions, shippers and LSPs are improving their inbound and outbound processes to be more agile.

The Blue Yonder solution

Blue Yonder's Dispatcher WMS is a comprehensive and highly scalable real-time WMS solution with comprehensive task optimization capabilities to ensure every aspect of labor productivity and inventory movement are optimized. The proven solution integrates with the extended supply chain to the retail store or to manufacturing customers.

Blue Yonder has been enabling companies to optimize their distribution networks for more than 35 years. To help customers stay ahead of competition, Blue Yonder has been actively investing in innovative capabilities across labor management, yard management, inbound operations, inventory management, outbound operations, and third-party logistics operations. Role-based and configurable mobile workflows enable users to handle the most pressing issues while the flexible RDT data rules drive efficiencies at a transaction level.

Real results

Increase throughput by

50%

Reduce fulfillment, storage and handling costs by

50%

Inventory visibility and accuracy of nearly

100%

Key features

- **Real-time inbound and outbound processing** – Integrated process execution from extended supply network to the store in real-time.

- **Support both Paper and RF processes** – Support paper processes for customers starting the digital transformation and offering task interleaving for those already on the RF journey

- **Path optimization** – Product flow and movement path to minimize travel and optimize throughput.

- **Intuitive & configurable user experience** – Users are empowered with more flexibility, real-time responsiveness and configurable validations mobile workflows to easily manage complex warehouse operations.

Capability offerings

Yard management

Manage and streamline all aspects of the yard from equipment to dock doors to personnel for streamlined yard management to improve efficiency.

Inbound processing

Gain visibility into inbound shipments and optimized tasks to streamline operations with system-suggested storage location, cross-docking to identify critical inbound loads, and reverse logistics and returns processing to link to outbound orders for enhancing processing.

Inventory management

Multiple cycle counting strategies that can be used in combination to drive inventory accuracy at the bin level, streamline all other processes with the warehouse

Integrated labor management

Dynamically determines the next, most optimal task intra-day planning to address concerns before becoming issues and shift labor and long-term planning to review and plan for future headcount requirements. Configurable escalation priorities for tasks, based on permissions, priority, and proximity.

Outbound operations

Optimize customer service at every step and ensure accuracy, timeliness, efficiency, and compliance. Support for multiple pick methods for travel time reduction, and pick efficiency. Specialized screens to enable scan verification of UPC, lot and serial numbers during packing. Various order consolidation strategies are supported including cartonization.

Parcel operations

Specialized screens to support the operation's needs to repack and/or consolidate picks from different areas within the warehouse via configurable rules to automatically select the appropriate carriers based on order or customer characteristics.

Key benefits

- Optimization of every operational step to ensure accuracy, efficiency, compliance and desired customer service.

- Inventory management that not only includes batch and serial management but also incubation periods and shelf life days.

- Various cycle counting strategies driving inventory accuracy.

- Rapid response to support in-store fulfillment services, such as click and collect.

- Faster time-to-value via simplified configuration, with the capability for more complex configuration later on.

- Business needs are met without the customizations, making upgrades less painful.

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