



Sage Geode Detailed Feature List



Sage Geode Warehousing		Std.	Adv.	Prem	Detailed Explanation
		Regular		Optimum	
Detailed Functions					
Architecture					
	Multi Sites / Multi Company	●	●	●	It is possible to manage stock for multiple principals in a single warehouse facility as well as managing multiple physical warehouse sites within a single database. If multiple sites is required, additional sites cost 30% of original cost
	Multi Stores Management	●	●	●	The definition and management of logical or physical zones within a warehouse. Can be used in a 3PL environment or if you hold stock which requires different management or storage rules.
	Multi Storage types management	●	●	●	There are multiple types of stores that can be created which can have different input and output rules associated with them.
	Item, Container and Consumables management	●	●	●	The definition and management of items using various levels of containers to describe the palletisation plan of an item. Geode allows the user to associate rules and attributes to each container level of an item
NEW	Finished products, raw materials bulk	●	●	●	Management of stock in decimalised stock units, The ability to manage stock in both consumer units and stock units (e.g. kg). (e.g. flour can be managed in bags and/or kg to 3 decimal places)
	Stock reservation management	●	●	●	The rules associated with the selection of stock to satisfy customer orders
	Batch/Lot control management	●	●	●	Management of lot numbers for each stock object within the system.
	EAN 13 code management	●	●	●	Supplier barcodes for each container of an item.
	Galia, Inovert, Edifact, Eancom standards supported	●	●	●	Standard barcodes according to activity sectors.
	Location control management	●	●	●	Control of all locations within the warehouse. Additional controls are available via the RF devices which require scanning of barcodes to validate that the operator is performing the action at the correct location
	Management of ABC classes and assignment classes	●	●	●	Each item container and location has a rotation (ABC) and assignment class associated with it. Rotation classes refer to the movement of the goods (fast, medium, slow). Assignment classes relate to the handling of the goods and allow for restriction in the storage of stock. For example, high value, dangerous, fragile
	Container equivalence management	●	●	●	Definition of put-away rules for equivalent containers. For example in a location it is possible to put either one standard pallet or 2 small pallets.
NEW	Percentage of not complete pallets	●	●	●	Handling of non standard pallet quantities - Allows pallets of less than the standard pallet quantity to be managed throughout the system. Geode can apply different management rules to these pallets
	Business Partners management	●	●	●	Management of the customer and supplier information in the WMS.
NEW	Utilities to unpack and repack	●	●	●	Repacking of Delivery Orders - The ability to unpack a delivery order and repack it into different parcels prior to shipment
	Consumables management	●	●	●	Allows for the storage of non-sales goods within the warehouse, for example packaging and stationary
	Multiple languages		●	●	English, French and Portuguese for Africa.
	Transfers and external warehouse management		●	●	This is the ability to store stock at an external warehouse, which is not used to satisfy sales orders. Geode manages this external site and controls the movement of stock to/from the principal warehouse
	4 to 5 levels containers management		●	●	For each item a palletisation plan can be defined (or several); for each plan up to 5 levels can be defined, for example Pallets, Layer, Case, Blister pack, Unit.

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Automatic validation of stocks movements		●	●	Automatic validation of stock movements, does not require user intervention.
Serial number management		●	●	Management of serial numbers to identify a unique part / unit (for example a GSM serial number)
Serial Shipment Container code management		●	●	SSCC is allocated by a company to its physical units like pallets, containers or cartons, assembled for transport and storage of goods of any kind, which need to be tracked and traced individually in a supply chain.
Rotation classes calculation		●	●	Algorithm to calculate the new rotation classes of items according to the stock movements.
Hazardous materials management		●	●	Management of hazardous materials in the warehouse.
Picking mono lot number management		●	●	In certain industries you need to ensure that you only dispatch a single lot number. In this mode Geode controls movement of stock to the pick face in order to ensure lot number integrity .
Multi picking locations management and “pivot” picking			●	In case of high volume of orders, it can be necessary to define several picking locations for an item (a picking location is not only a location where you can pick items , but also a location which is replenished by reserve locations).
One level nomenclature			●	The kits are only defined on one level (for example a table is composed with a top and 4 legs but you cannot define in the same kit the composition of the table leg).
Inputs Management				
ASN/Expected Receipt support	●	●	●	Advanced Shipping Notice supported on inputs.
Administrative management of inputs	●	●	●	Management of the paperwork for the goods received at the warehouse locations.
Reception management	●	●	●	Management of the physical receipt of the goods at the warehouse locations.
Blocking and non conformity management	●	●	●	Ability to define deviations from the specified requirements and block these as necessary as well as apply procedural rules.
Automatic or manual allocation of locations	●	●	●	The system suggests a warehouse location during put-away process or enables manual selection of warehouse location by warehouse staff.
Location allocation in proximity of picking bays	●	●	●	In warehouses, many items are managed with a picking location (assigned to the item) and the main stock is in the reserve location; the concept of picking proximity exists to allocate the reserve stock location closest to the picking locations, in order to save time for the replenishment step.
Product consolidation	●	●	●	When an item is received the system tries to find similar items in the warehouse with the same characteristics in order to consolidate stock onto incomplete pallets with the same attributes as the incoming stock.
Receipt and location allocation pallet by pallet	●	●	●	Allows users to unload a truck in it's entirety and then receive and put away the different pallets or unload one pallet at a time and do individual put aways.
Dynamical management of locations	●	●	●	Locations are utilized in real time according to their stock levels.
5 levels structured addresses management	●	●	●	A location is defined by up to 5 levels at the site and the store level, meaning that you can define a location with Site, Store, Aisle, Range, Level, Parity, Position.
NEW Receipt by supplier EAN, SSCC, support number	●	●	●	Allows for receiving of goods by scanning the product EAN, support number or associated Serial Shipping Container Code
Multi batch and multi product location management	●	●	●	Permit or prohibit the system from mixing products or lot numbers within the same location.

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Dock management and carriers appointments				Management of the physical area where loading and unloading takes place along with managing the carriers appointments.
Provisional loads management				Based on an expected input or a direct receipt, Geode has the ability to define resources needed to process the input based on criteria. This load must then be planned.
Supplier sample management				Calculate the quantity to pick upon receipt to do the quality control.
Quality control in reception management				Define quality control procedures using specification sheets
Management of separated movements				The ability to automatically calculate the number of pallets generated on a mass receipt
Position management in locations				In multi-pallet environments it is possible to define the individual pallet's location.
Cross docking receptions management				Manages the unloading of goods from an inbound vehicle and loading these directly onto the outgoing vehicles with little or no storage in between.
Outputs Management				
Management of Delivery orders portofolio				Management of the outbound delivery orders.
Partial picking of Delivery orders				Management rules that control whether or not partial deliveries are accepted by the customer
Back orders management				Management of back orders to prepare order for dispatch at a later date.
Commercial priorities management				Ability to manage priorities per order to process the highest priority first - typically in the case of stock shortages.
Urgency and short allocation management				Manages backorders and short allocations in the warehouse.
Date management (sell by, use by, expiration...)				Caters for the management of stock with expiry dates or which has shelf life constraints.
FIFO set up by item				Ability to setup on a first in first out basis.
Wave simulation and wave management				Picking can be executed by single orders or by batch of orders. In high volume environments these batches or waves can be created automatically according to different criteria (delivery for example) and may be launched or simulated in order to calculate information such as workloads or number of parcels etc
Direct packing				Each order or suborder is directed to a particular packing location where it is processed.
Pick order management				Pick orders are generated based on various rules and algorithms configured in the system. These also allow for the management of the size of the pick orders so as to spread the load of large orders across multiple pickers
Picking replenishment management				Replenishment of pick faces can be generated manually or automatically either at the start or end of a picking wave or on a scheduled basis
Supervision of picking progress				Supervisor monitoring of the picking process.
Statistics on delivery order portofolio				Statistical analysis of the products shipped in the location and the warehouse.
Order splitting (multiple shipments)				Ability to split large orders into multiple shipments as required.
NEW Outbound Lot number management				Geode allows for lot number management throughout all processes including allowing the specification of a lot for delivery to a customer

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Picking by order	●	●	●	Ability to pick by individual order as required - typically a feature needed for simplicity in the smaller warehouses.
Optimization of the operators movements	●	●	●	Assists with the most efficient routes to pick to deliver warehouse optimization - directed picking and directed put-aways.
Management of a FIFO minimum date		●	●	Ability to manage the minimum date for FIFO picking. For example in a supermarket you need to deliver fresh goods and must use a minimum date per delivery line.
Loads planning management		●	●	Geode allows for the planning of loads to ensure that the waves generated do not exceed the capacity of the vehicle being used on the route
Declarative cross docking management		●	●	After goods receipt, the stock remains in the receiving location until the put-away is processed. Some warehouses with fast-flow locations require replenishment allocations in the receiving area so the goods are preferentially picked and the put-away process will be skipped.
Carton sizing / Pre-packing management		●	●	Allows for the management of carton sizing and pre-packaging requirements.
Re-allocation of outputs movements		●	●	Ability to re-allocate the stock movements in the warehouse on shipment.
Manufacturing and assembly operations (kitting)		●	●	Module to transfer stock to a reserve area in order to produce or add something before the put away happens, for example it can be used to build display units with books before shipping.
Generic wave simulation and management				Simulation of warehousing activities based on changing conditions - only on wave picking.
Carrier parcel number calculation		●	●	Management of shipping bar codes as some carriers can ask to have a special identify on the parcels.
Replenishment level for each level of picking location			●	Multiple replenishment levels for each picking location so you can replenish from a reserve location or from another location. Important where FIFO date is important in the replenishment process
NEW Pallet sizing, pre palletization management			●	Function used by the system to predetermine the number of shipping units to be used in the preparation of customer orders
Scheduling of delivery orders			●	Creation of special types of scheduling agreements on which to base delivery orders. These scheduling agreements contain forecast delivery schedules with fields specific to delivery order processing.
Merging flow wave (preparation in 2 steps)			●	Picking by item for a wave in order to pull stock to a splitting area where multiple orders can be picked at the same time
Batch picking with or without pre packing			●	Picking by item, then preparation for order with or without packing.
Cross docking operations management			●	For any item ordered and waved, Geode has the ability to look for receipts, transfers or movements before picking from a stock location even if stock is available in the location.
Independent manufacturing of kits (assembly order)			●	Allows for the manufacture of kits in the warehouse process.
NEW Allocation and optimization of HR and Devices			●	System tasks are directed to RF terminals based upon the location of the user and the type of equipment being used. Function also allows for resource management to help improve the productivity within the warehouse. This is available as standard with X3 installations but is an additional module for implementation with other ERPs
Multi picking location management with or without traceability			●	Ability to pick similar stock from different picking locations with or without traceability.

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Dispatches Management				
Round management	●	●	●	Route Management with planned delivery dates and times.
Dispatches postponing	●	●	●	The ability to postpone complete or part deliveries after picking has taken place.
Dispatches cancelling and stock re integration	●	●	●	The ability to delete orders based on customer cancellations - Geode performs all the integrations to return the stock to its original location.
Dock management and carriers appointments	●	●	●	Management of the physical area where loading and unloading takes place along with managing the carriers appointments.
Provisional dispatch loads management		●	●	Management of outbound loads.
Transportation Pre-billing		●	●	Ability to pre-bill for the transportation costs based on these costs being invoiced separately to the company by a third party.
Shipping units management		●	●	The capability to manage shipping units for orders, customers or carriers. These can be pallets or units, or containers carrying multiple customer orders.
Transport costs management		●	●	Ability to calculate transport costs based on weight, number of parcels, volumes etc.
Calculation of transportation information on the D.O		●	●	Calculation of the transportation information based on costs mapped to codes (such as UPS), modes and destinations on the Delivery Order and auto launch dispatch waves. Ability to calculate costs between carriers.
Logistical units management on docks		●	●	Ability to calculate logistical units such as a shipping unit in the dock loading / unloading areas. For example, at dispatch, the logistical shipping unit can be available on the dock to be used - either the parcel or the shipping unit.
Paletization help tools			●	The shipping units can be calculated by the system depending on their contents.
Traceability until delivery			●	The system tracks all information on the different flows inside the warehouse and also tracks outside by integrating different statuses on the Delivery orders.
Multi sites dispatch management			●	In the case of a multiple warehouse setup, Geode can group several orders from different sites before dispatching to the customer.
Tools				
Warehouse stock management	●	●	●	Management of all stock within the warehouse.
Transfers management, pick and place in one or split	●	●	●	A transfer is a movement from one location to another location. Allows for the concept of collect and drop when performing transfers. Once the stock has been collected it is removed from the location and tracked via the transfer. The stock is then moved from the transfer location once the operator confirm the deposit instruction in the new location.
Mass transfer multi-characteristics	●	●	●	Ability to perform transfers by many criteria such as by pallet.
Product consolidation on stock	●	●	●	Feature that allows us to simulate or suggest stock movements from one location to another one in order to free up capacity in other locations.
Consultations and histories	●	●	●	Full report history and analysis of data.
Support for industry standard barcodes	●	●	●	Barcode management.
Activities control board (data warehouse)	●	●	●	Key performance indicators based on reports, statistics and business objects.

NEW

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Stock count management by location, by item, on cycle count	●	●	●	Complete stock count management as needed including cycle counts.
Standard documents and labels	●	●	●	Standard reports and labels.
Stock traceability	●	●	●	Full stock traceability in the warehouse.
Embedded Crystal reports for Ad hoc needs	●	●	●	Allows for the modification of standard reports as well as the creation of customer specific reports.
Web-based user interface	●	●	●	Geode has been built for web access so comes as standard with a web user interface as well as a windows client.
Data import/export	●	●	●	Data can be imported/exported by use of templates describing the required data. These imports/exports can then be run manually or scheduled to run automatically.
Re-addressing replenishment shortage		●	●	In the case of replenishments, if the pallet cannot be emptied in entirety in the picking location, the remainder can be issued to the same reserve location or any another location.
Automatic adjustments		●	●	After performing a stock count on an item, Geode is able to automatically adjust the quantity on order to reconcile with the physical count.
Quality control on inventory		●	●	As with receipting of goods, quality control can be performed on any stock in the warehouse with the same rules as with goods received.
Load analysis		●	●	Based on an expected or a direct receipt / shipment, Geode has the ability to define resources needed to process based on criteria. This load must then be planned. Under tools you can look at all warehouse processes not just receipt or dispatch.
Dynamic picking location optimization		●	●	Ability to suggest the best picking location for an item according to its history of movements, grouping of the units, the weight. Additional module called MAPPING available at an additional cost of R75,000.
Logistic services pre billing management		●	●	Ability to pre-bill logistic costs to the final customer if you are a 3PL to raise invoices based on costs per movements, picks or storage space. Can be used to calculate prebilling of these costs. Additional module called GEOPLO available at an additional cost of R75,000.
Preventive inventory control		●	●	Ability for a picker to count stock in a picking location during the picking order process. E.g. an ad hoc stock count. Can be used to immediately count an empty location on the fly as its simple to report.
Parcel and shipping units transfers in a dock		●	●	Once the goods are prepared for shipping, it is possible to indicate to the pickers a dock in order to put the parcel and shipping units before their physical shipping.
Business Objects integration			●	Ships as standard with WMS Premium but others can be created.
Loads calculation with finite capacity			●	All the flows can be limited to workload levels to be sure that each cycle is complete.
Consolidation of multiple sites stocks			●	In case of multiple warehouses, it is possible to see all the stock available and the quantity per site.
Communications				
Standard interfaces with other applications	●	●	●	A WMS typically works with an ERP product. Geode has special functions available to adapt the interfaces, to pre set the rules to trigger them, to recycle the errors etc...and for all the flows of the WMS system.
Communication with sage ERP X3	●	●	●	Integration and connectors with Sage ERP X3.

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Real-time connections and interfaces with devices in the warehouse	●	●	●	Handheld device integration available as standard
Transport EDI messages		●	●	As the dispatch is confirmed, Geode has the capability to generate an EDI message to the courier
Radio frequency procedures and vocal ones		●	●	Geode works as standard with RF devices and with approved voice picking solutions
Proof of delivery			●	Proof of delivery establishes that the recipient received the goods sent. Geode is able to receive all the different messages and record them against the different units shipped.
Integration				
Connectors with Accpac ERP	●	●	●	Integration is required to Accpac ERP 100, 200 or 500 version 5.6 onwards
Connectors with Sage ERP X3	●	●	●	Integration is required to Sage ERP X3 version 6.1 onwards
Connectors with other ERP or Operational Systems	●	●	●	Integration is required to Accpac ERP 100, 200 or 500 version 5.6 onwards