

AI Stock Fulfillment - User Guide

Thank you for purchasing our extension. If you have any questions that are beyond the scope of this document, please feel free to contact us via support@magenest.com

By: Magenest |

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Introduction

AI Stock Fulfillment helps small and mid-sized eCommerce merchants calculate and maintain the right Safety Stock level for each SKU automatically.

The system uses real product, inventory, and order data from Magento 2, together with AI-powered recommendations, so merchants no longer need to set inventory thresholds manually.

Highlight Features

- Automatically sync product, inventory, and order data from Magento 2.
- Calculate Safety Stock and Reorder Point using standard inventory formulas.
- Classify every SKU as **Critical**, **Warning**, or **Stable**.
- Provide AI-powered Safety Stock recommendations with clear explanations.
- Alert users when a product moves into Critical status.
- Export a CSV report of SKUs that need to be reordered.

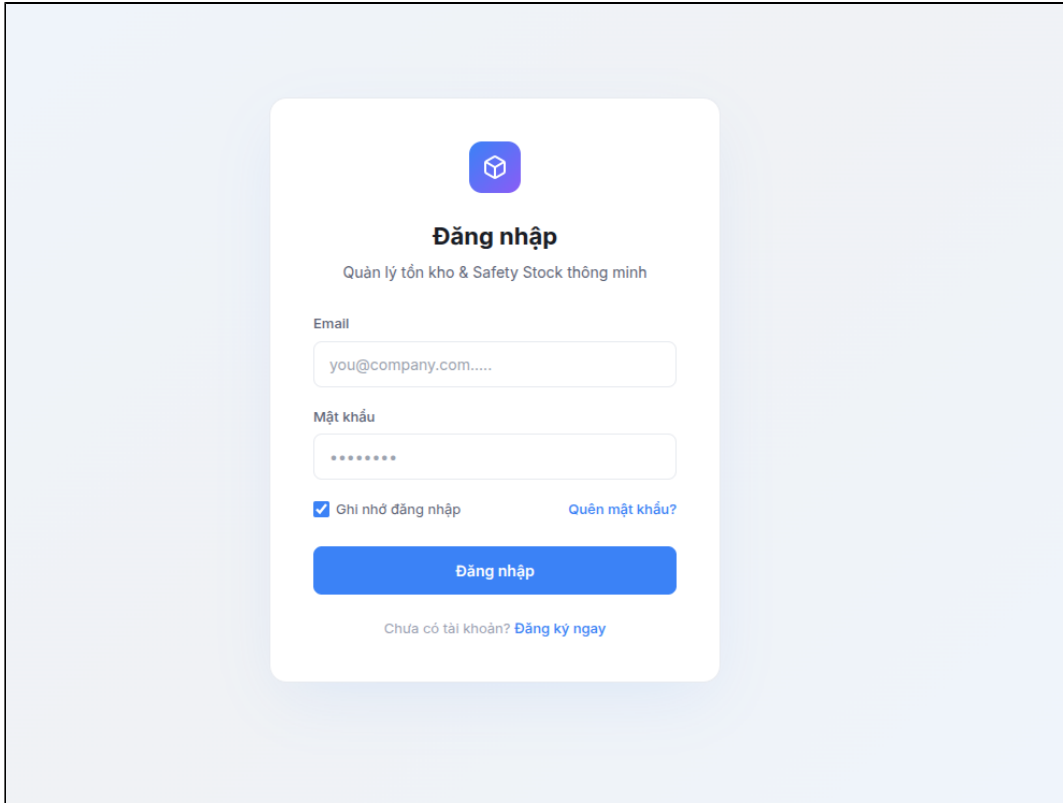
System Requirements

Before using AI Stock Fulfillment, make sure you have:

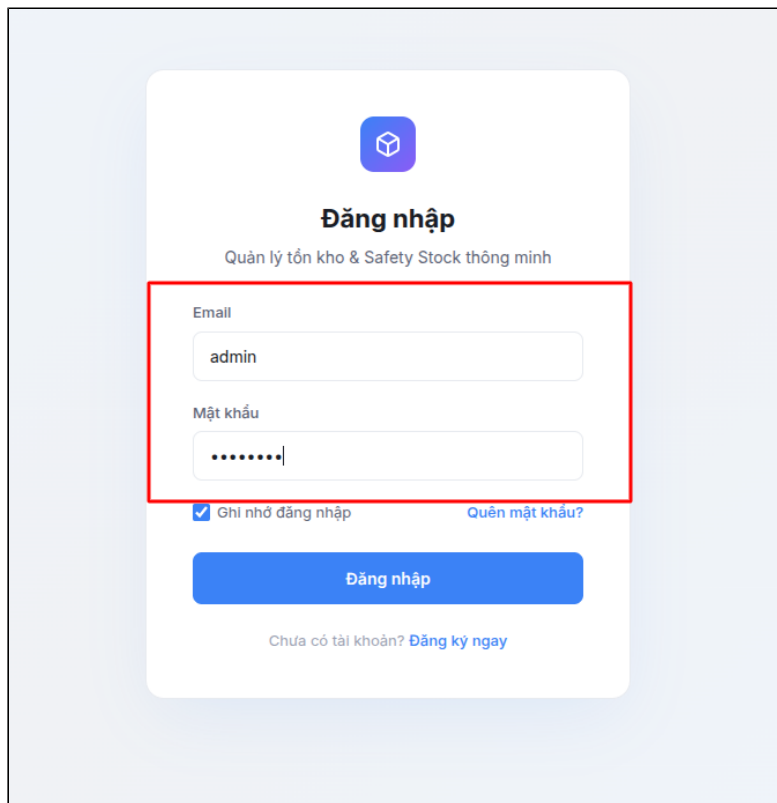
- Access to the AI Stock Fulfillment web application.
- A valid account provided by the system administrator.
- A supported web browser.
- An active Magento 2 connection for syncing product, inventory, and order data.
- Access to the email address linked to your account for OTP verification and password recovery.

Log In

Open AI Stock Fulfillment in a web browser. On the login screen, enter the email address and password provided by your administrator.



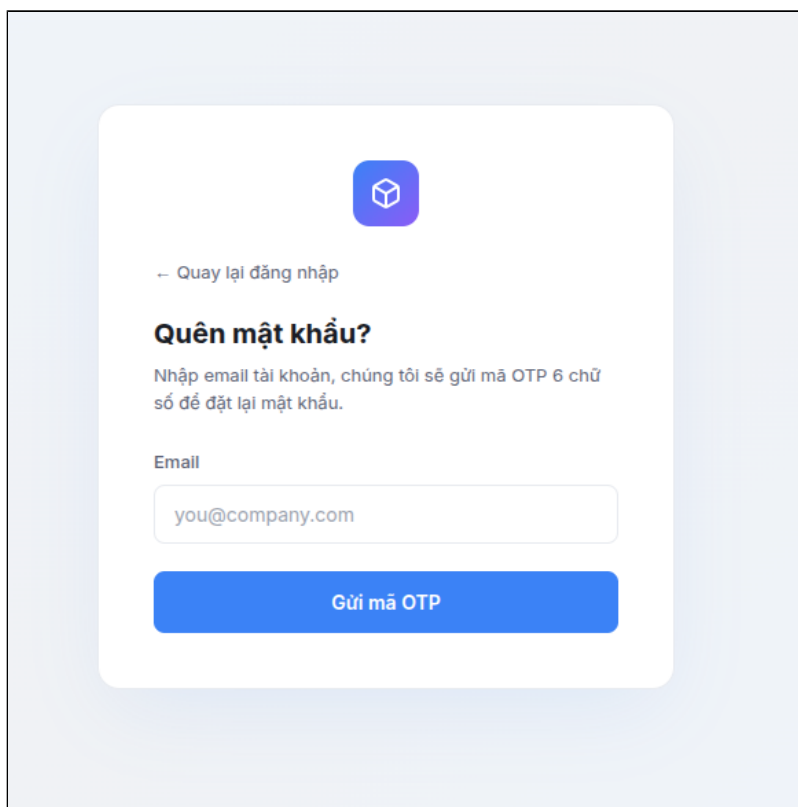
Login Steps



1. Open your browser and go to the system URL.
2. Enter your **Email** and **Password**.

3. Click **Log In**.

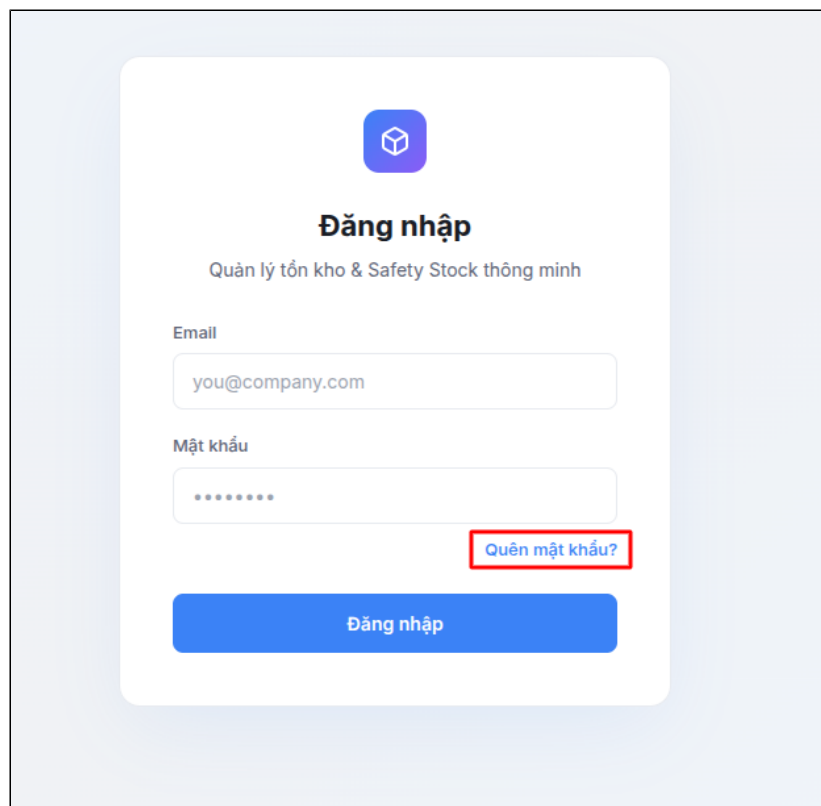
Reset a Forgotten Password



The screenshot shows a login interface with a purple cube logo at the top. Below the logo is a link '← Quay lại đăng nhập'. The main heading is 'Quên mật khẩu?' (Forgot Password?). Below this is a sub-heading 'Nhập email tài khoản, chúng tôi sẽ gửi mã OTP 6 chữ số để đặt lại mật khẩu.' (Enter account email, we will send a 6-digit OTP code to reset your password). There is an 'Email' label and a text input field containing 'you@company.com'. Below the input field is a blue button labeled 'Gửi mã OTP' (Send OTP code).

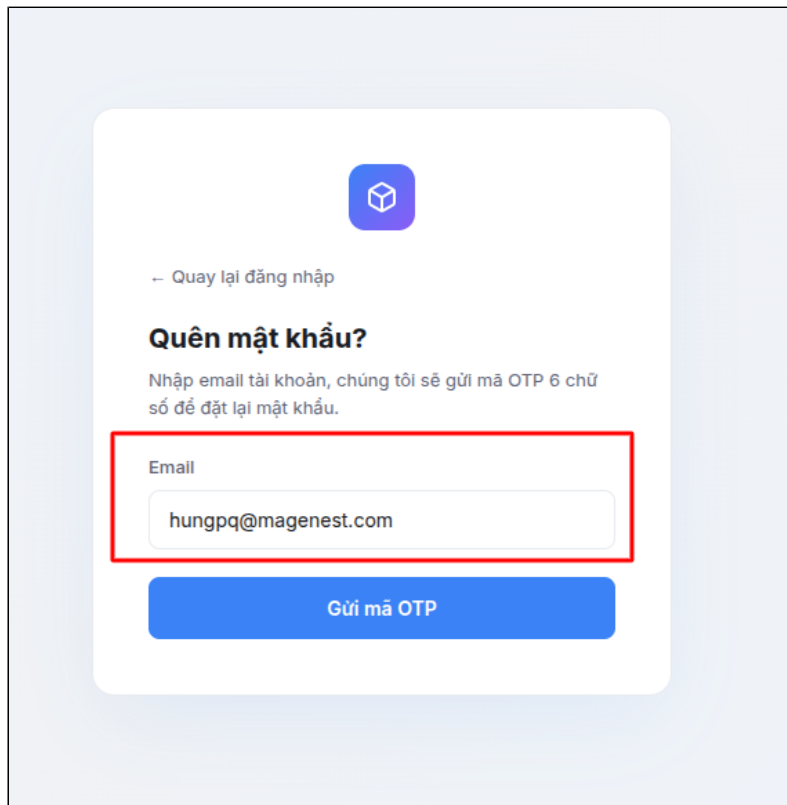
You can reset your password without contacting the system administrator.

1. Click **Forgot password?** below the password field.



The screenshot shows a login interface with a purple cube logo at the top. Below the logo is the heading 'Đăng nhập' (Login) and the sub-heading 'Quản lý tồn kho & Safety Stock thông minh' (Smart inventory & Safety Stock management). There is an 'Email' label and a text input field containing 'you@company.com'. Below the email field is a 'Mật khẩu' (Password) label and a password input field with masked characters. To the right of the password field is a link 'Quên mật khẩu?' (Forgot password?) which is highlighted with a red rectangle. Below the password field is a blue button labeled 'Đăng nhập' (Login).

2. Enter the email address linked to your account, then click **Send OTP**.



← Quay lại đăng nhập

Quên mật khẩu?

Nhập email tài khoản, chúng tôi sẽ gửi mã OTP 6 chữ số để đặt lại mật khẩu.

Email

hungpq@magenest.com

Gửi mã OTP

3. Enter the OTP sent to your email address and create a new password.



[← Đổi email](#)

Kiểm tra email

Nếu email hungpq@magenest.com tồn tại, mã OTP đã được gửi.

Đã gửi đến hungpq@magenest.com. Nhập mã OTP và mật khẩu mới bên dưới.

Mã OTP (6 chữ số)

0

0

0

0

0

0

Mật khẩu mới

Ít nhất 8 ký tự

Xác nhận mật khẩu mới

.....

Đặt lại mật khẩu

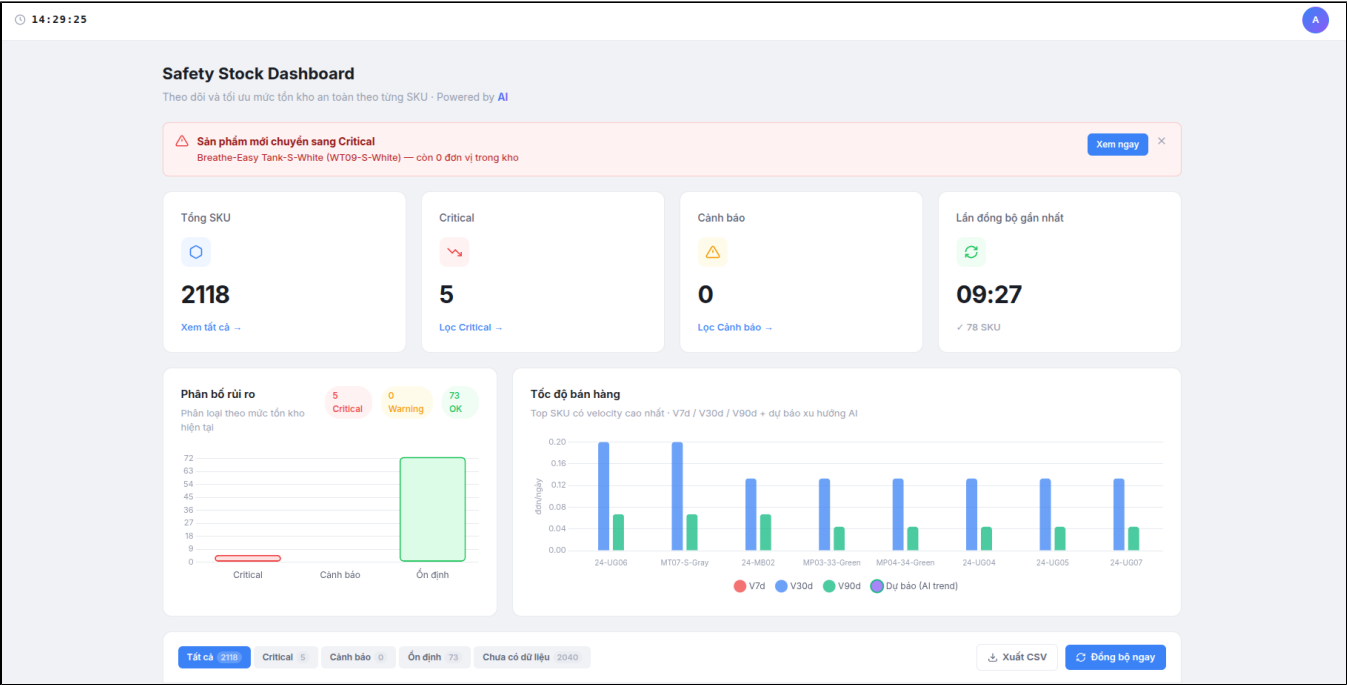
[Chưa nhận được? Gửi lại OTP](#)

4. Log in with your new password.

Dashboard

After you log in, the main Dashboard provides an overview of your inventory status and AI recommendations.

The Dashboard is divided into the following areas.

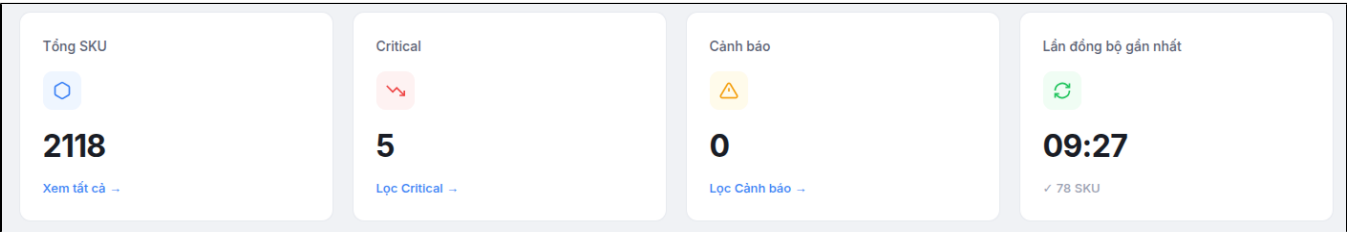


Top Navigation

The top section of the screen includes:

- **Clock:** Displays the current time in Vietnam time in HH:MM:SS format.
- **User avatar:** Click the avatar to open the following options:
 - User Management
 - Change Password
 - Sync History
 - Log Out

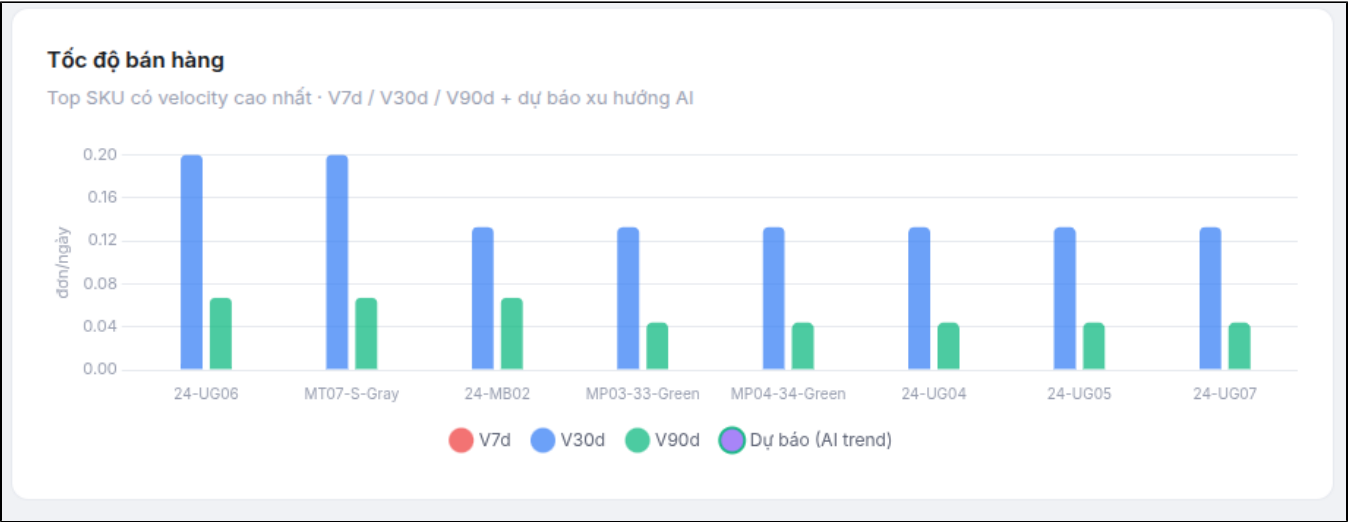
Summary Cards



Four summary cards provide a quick view of the current inventory status:

Card	What it shows	What happens when clicked
Total SKUs	Total number of products being monitored	Shows the complete SKU list
Critical	Number of SKUs with inventory below Safety Stock and requiring immediate replenishment	Filters the list to Critical SKUs
Warning	Number of SKUs with inventory below the Reorder Point and likely to require replenishment soon	Filters the list to Warning SKUs
Last Sync	Time and status of the most recent data update	-

Sales Velocity Chart



The column chart shows the eight SKUs with the highest sales velocity. Each SKU is represented by four values:

- **Red - V7d:** Average daily sales over the last 7 days.
- **Blue - V30d:** Average daily sales over the last 30 days.
- **Green - V90d:** Average daily sales over the last 90 days.
- **Purple - AI Trend Forecast:** Forecast sales velocity based on the detected demand trend:
 - Higher when the trend is **SPIKE**
 - Lower when the trend is **DROP**
 - Equal to V30d when demand is stable

SKU List

Tất cả 218Critical 5Cảnh báo 0Ổn định 73Chưa có dữ liệu 2040

Xuất CSVĐồng bộ ngay

SKU / TÊN SẢN PHẨM	TỔN KHO	MỨC ĐỘ	SS HIỆN TẠI	V30d	SS ĐỀ XUẤT (AI)	CHÉNH LỆCH	ROP	RỦI RO	LEAD TIME		
WH09-M-Purple Ariel Roll Sleeve Sweatshirt-M-P...	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MJ03-S-Green Montana Wind Jacket-S-Green	99	99 / 21	20.53	0.07	5.00	-15.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MH05-XS-Red Hollister Backyard Sweatshirt-XS...	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MP02-33-Gray Viktor LumaTech™ Pant-33...	99	99 / 21	20.53	0.07	20.00	-0.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MS08-M-Red Strike Endurance Tee-M-Red	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
WH07-M-White Phoebe Zipper Sweatshirt-M-Whl...	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MSH03-36-Green Meteor Workout Short-36-Green	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MP11-33-Brown Aether Gym Pant -33-Brown	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
WP01-29-Gray Karmen Yoga Pant-29-Gray	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
WB03-S-Red Paislee Sports Bra-S-Red	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng

The main section of the Dashboard contains a table of all monitored SKUs, together with their inventory metrics and recommendations.

By default, SKUs are sorted from highest to lowest risk, with Critical products shown first.

Table Columns

Column	Description
SKU / Product Name	Product SKU and name
Inventory	Current inventory quantity synced from Magento

Status	Color-coded risk status: Critical in red, Warning in yellow, and Stable in green
Current SS	Safety Stock calculated using the formula in Section 6
V30d	Average daily sales over the last 30 days
AI Suggested SS	Safety Stock level recommended by AI
Difference	AI Suggested SS minus Current SS; shown in red when the result is negative
ROP	Reorder Point at which replenishment should begin
Trend	SPIKE, DROP, or STABLE based on the comparison between V7d and V90d
Lead Time	Supplier lead time in days; this value can be edited
Actions	Includes the Why? and Apply buttons

Filter and Search

Use the available filters and search tools to find the SKUs you need.

- **Quick Filters:** All - Critical - Warning - Stable - No Data
- **Search:** Enter an SKU or product name in the search field to filter the list by keyword.
- **Pagination:** The table displays 50 SKUs per page. Use **Previous** and **Next** to move between pages.

Update Lead Time

Lead Time directly affects both Safety Stock and Reorder Point.

To update it:

1. Click the current Lead Time value, such as 7d, on the relevant SKU row.
2. Enter the new number of days.
3. Press **Enter** or click the checkmark to save.
4. The system automatically recalculates Safety Stock and Reorder Point using the new Lead Time.

Apply an AI Recommendation

When the AI-recommended Safety Stock differs from the current value, an **Apply** button appears. To apply the recommendation:

1. Click **Apply** on the relevant SKU row.
2. The system records the applied Safety Stock level and the date and time it was applied.
3. Once the update is complete, the row displays an **Applied** label.

View the AI Explanation

Click **Why?** to open a window explaining the AI recommendation. The window includes:

- The recommended Safety Stock level.
- The confidence level (High - Medium - Low)
- An explanation of up to three sentences.
- A language switch between **Ting Vit** and **English**.

Data Synchronization

The system automatically syncs data from Magento 2 twice a day (2:00 AM and 2:00 PM). You can also start a manual sync at any time.

Run a Manual Sync

1. Click **Sync Now** in the upper-right corner of the SKU table.
2. The button changes to **Syncing...** while the process is running.
3. Once the sync is complete, the Dashboard refreshes automatically with the latest data.

Synchronization Process

Each sync runs through the following steps:

1. Retrieve the product list from the Magento feed.

2. Update current inventory quantities.
3. Retrieve order history from the last 90 days.
4. Calculate sales velocity ($V7d / V30d / V90d$)
5. Calculate Safety Stock and Reorder Point.
6. Assign a risk level to each SKU.
7. Request AI Safety Stock recommendations in batches.
8. Create notifications for SKUs that have newly moved into Critical status.

Calculation Formulas

AI Stock Fulfillment uses standard inventory management formulas.

Sales Velocity

Sales velocity over N days = Total quantity delivered over N days ÷ N

- **V7d:** Average daily sales over the last 7 days.
- **V30d:** Average daily sales over the last 30 days.
- **V90d:** Average daily sales over the last 90 days.

Safety Stock

SS = (Highest daily sales × Lead Time × 1.5) (V30d × Lead Time)

Example: Highest daily sales: 18 units, V30d = 10 units per day, Lead Time = 7 days

$SS = (18 \times 7 \times 1.5) (10 \times 7) = 189 \quad 70 = 119$ units

Reorder Point

ROP = (V30d × Lead Time) + SS

Example: $ROP = 10 \times 7 + 119 = 189$ units

6.4 Risk Classification

Risk Level	Condition	Recommended Action
Critical	Inventory < Safety Stock	Reorder immediately
Warning	Safety Stock < Inventory < ROP	Plan replenishment soon
Stable	Inventory > ROP	Continue regular monitoring

Demand Trend

Label	Condition	Meaning
SPIKE	$V7d > V90d \times 1.30$	Demand has increased by more than 30%
DROP	$V7d < V90d \times 0.70$	Demand has decreased by more than 30%
STABLE	All other cases	Demand remains stable

Notifications

Safety Stock Dashboard
Theo dõi và tối ưu mức tồn kho an toàn theo từng SKU - Powered by AI

 Sản phẩm mới chuyển sang Critical

Breathe-Easy Tank-S-White (WT09-S-White) — còn 0 đơn vị trong kho

Xem ngay

The system automatically creates a notification whenever an SKU moves into Critical status after a data sync.

The notification appears as an alert banner near the top of the Dashboard.

When the system detects a newly Critical SKU, the notification displays the **product name** and its **current inventory quantity**.

Available actions:

- Click **View Now** to go to the relevant page and highlight the SKU in the table.
- Click to close the notification and mark it as read.

Export a CSV Report

Tất cả 218Critical 5Cảnh báo 0Ổn định 73Chưa có dữ liệu 2040

Xuất CSVĐồng bộ ngay

SKU / TÊN SẢN PHẨM	TỐN KHO	MỨC ĐỘ	SS HIỆN TẠI	V300	SS ĐỀ XUẤT (AI)	CHÉNH LỆCH	ROP	RỦI RO	LEAD TIME		
WH09-M-Purple Ariel Roll Sleeve Sweatshirt-M-P...	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MJ03-S-Green Montana Wind Jacket-S-Green	99	99 / 21	20.53	0.07	5.00	-15.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MH05-XS-Red Hollister Backyard Sweatshirt-XS...	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MP02-33-Gray Viktor LumaTech™ Pant-33...	99	99 / 21	20.53	0.07	20.00	-0.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MS08-M-Red Strike Endurance Tee-M-Red	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
WH07-M-White Phoebe Zipper Sweatshirt-M-Whi...	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MSH03-36-Green Meteor Workout Short-36-Green	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng
MP11-33-Brown Aether Gym Pant -33-Brown	99	99 / 21	20.53	0.07	0.00	-20.53	21.00	Ổn định ↓ DROP	7d	Lý do	Áp dụng

The CSV report includes SKUs with either Critical or Warning status. You can send the report to the purchasing team or import it into an existing replenishment system.

Export the Report

1. Click **Export CSV** in the upper-right corner of the SKU table, next to **Sync Now**.
2. The file downloads automatically with the export date included in the filename.

Example: Safety-stock-2026-06-24.csv

CSV Columns

Column	Description
Product Code	SKU
Name	Product name
Current Inventory	Current inventory quantity
ROP	Reorder Point
Suggested SS	AI-recommended Safety Stock
Quantity to Reorder	max(0, ROP - Current Inventory)