

Introduction

AGen Digitalized Retail Stock Count replaces manual stock counting (paper lists, clipboards, spreadsheets) with **technology-driven tools** such as mobile devices, barcode/RFID scanners, and real-time system integration. The goal is to **count inventory faster, more accurately, and with less disruption to store operations.**

Planning & Setup

Objective

Prepare systems, people, and scope. Once the system completely setup, stock count will then become daily routine for the staff in the retail store to optimized manpower usage and stock accuracy. Proper planning allows stock count can be perform in the faster and optimum method.

Key activities

- Define stock take scope (entire store, department, category, cycle count).
- Dynamic, Freeze or control inventory movements (optional or partial).
- Assign staff and roles in the system.
- Setup system for daily updated upload master data (SKU, barcode, location, expected quantity).
- Configure stock takes date, time, and counting rules.

Digital tools

- ERP / Inventory Management System
- AGen Stock count application (mobile/tablet/computer)
- Central dashboard for control



Device & User Login

Objective

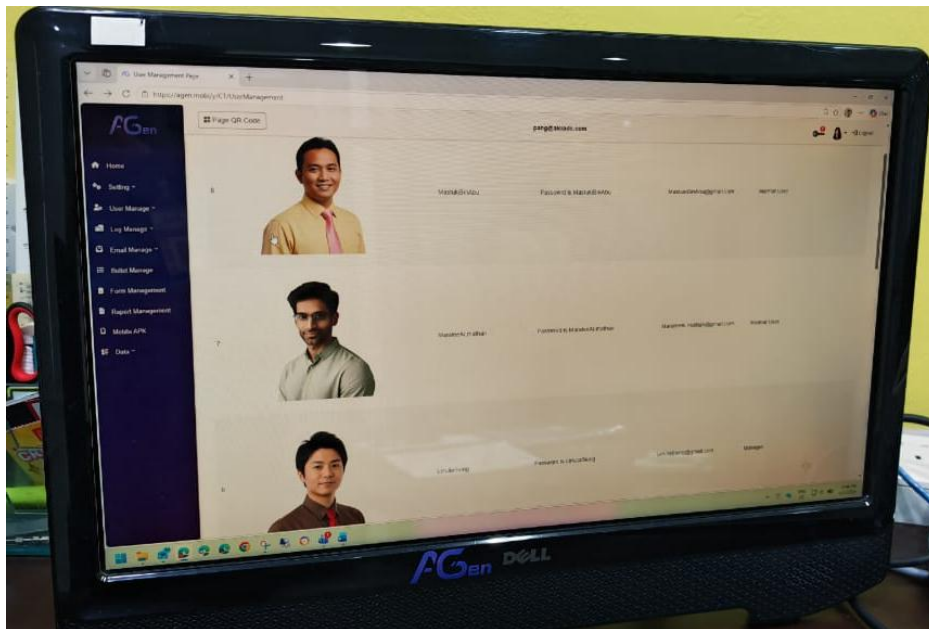
AGen Digitalized Retail Stock Count ensures only authorized users count inventory. AGen comes with build-in-remember user login function whereby the user just needs to key in once then the next login will be allowed to bypass. Quick shortcut makes the stock count application can be launched by just clicking the icon on the desktop.

Key activities

- Staff log in via mobile device or handheld scanner.
- System assigns:
 - Store / zone / aisle
 - Product categories
- Devices sync the latest product and location data at backend continuously.

Benefits

- Prevents duplicate counting
- Track accountability by user



Digital Counting (Scan & Capture)

Objective: Capture physical stock data accurately so the back end can give more accurate information for purchase, stock keeping and better customer satisfaction.

How it works

- Staff scan **barcode / QR code / RFID tag**
- Enter quantity (auto captured for RFID)
- System validates SKU against master data
- Exceptions flagged immediately (unknown item, duplicate scan)

Data captured

- SKU / Item code / EAN13 barcode
- Quantity counted
- Location (Auto display)
- Time stamp (Auto Date and Time Stamp)
- User ID (Auto User ID after login)

Advantages

- Eliminates manual writing errors
- Faster counting
- Real-time validation
- Guided systematic stock count

The screenshot displays the 'StockTake (v1.3)' application interface. At the top, there is a header with a checkmark icon, the title 'StockTake (v1.3)', and the 'AGen' logo. Below the header, the form contains several input fields: 'Barcode' with the value '9556439887012', 'Description' with 'Maggi Curry Instant Noodles 5x79g', 'ActualQty' with '119', and 'SystemQty' with '120'. An 'Image' field shows a photograph of a Maggi Kari noodle packet. Below the image, there is a 'Price' field with the value '5.5'. At the bottom of the form, there is a prominent green 'Save' button. The interface is dark-themed with purple and green accents.

Real-Time Data Sync & Monitoring

Objective

Summary for monitor progress and accuracy live data capture and daily activities perform by different retail stores. Set it to email summary mode for optional daily monitoring to daily auditing.

Key activities

- Count data syncs automatically to central system.
- Stock take dashboard shows:
 - % completion
 - Variance vs system stock
 - High-risk discrepancies
- Supervisors can reassign zones or trigger re-counts.

Digital benefits

- No waiting for paper consolidation
- Immediate visibility of issues.



Variance Analysis

Objective

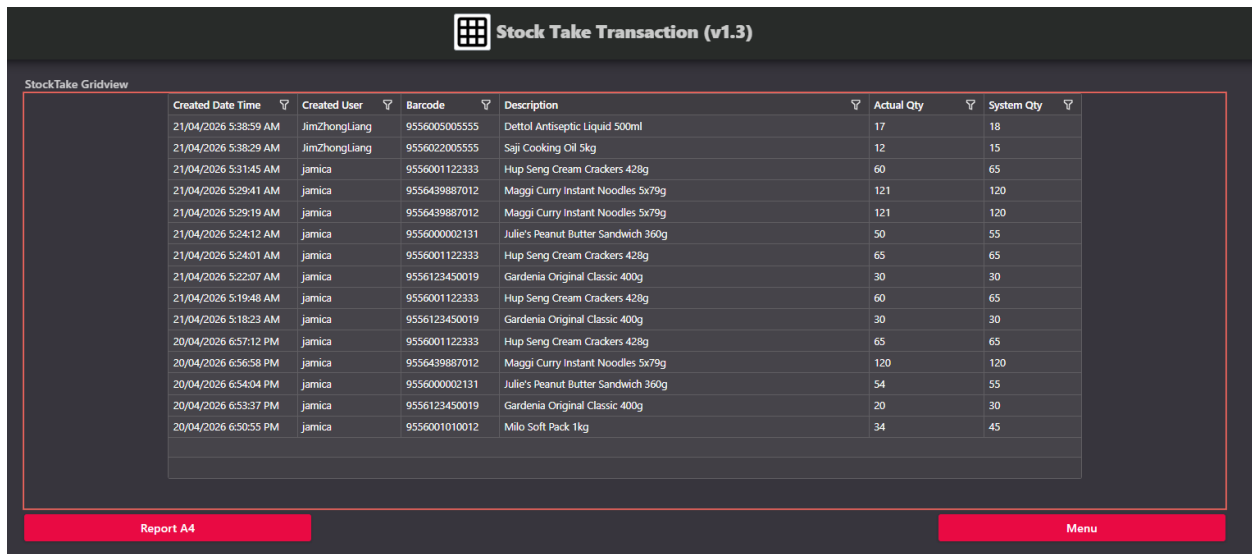
Identify gaps between system stock and physical stock. AGen will highlight the differences between both quantities so that the retail manager can act immediately on high value item to recover losses if the information can be discovered early.

System generates

- Shortage (Physical < System)
- Overage (Physical > System)
- Zero stock discrepancies
- High-value variance alerts

Analysis includes

- Last movement date
- Sales history (From POS)
- Receiving history (From AGen Receiving)
- Shrinkage indicators (From POS, searching and CCTV records)



The screenshot displays the 'Stock Take Transaction (v1.3)' application interface. At the top, there is a grid icon and the title 'Stock Take Transaction (v1.3)'. Below the title, the text 'StockTake Gridview' is visible. The main content is a table with the following columns: 'Created Date Time', 'Created User', 'Barcode', 'Description', 'Actual Qty', and 'System Qty'. Each column has a small downward arrow icon. The table contains 18 rows of data, including items like 'Dettol Antiseptic Liquid 500ml', 'Saji Cooking Oil 5kg', 'Hup Seng Cream Crackers 428g', 'Maggi Curry Instant Noodles 5x79g', 'Maggi Curry Instant Noodles 5x79g', 'Julie's Peanut Butter Sandwich 360g', 'Hup Seng Cream Crackers 428g', 'Gardenia Original Classic 400g', 'Hup Seng Cream Crackers 428g', 'Gardenia Original Classic 400g', 'Hup Seng Cream Crackers 428g', 'Maggi Curry Instant Noodles 5x79g', 'Julie's Peanut Butter Sandwich 360g', 'Gardenia Original Classic 400g', and 'Milo Soft Pack 1kg'. At the bottom of the interface, there are two red buttons: 'Report A4' on the left and 'Menu' on the right.

Created Date Time	Created User	Barcode	Description	Actual Qty	System Qty
21/04/2026 5:38:59 AM	JimZhongLiang	9556005005555	Dettol Antiseptic Liquid 500ml	17	18
21/04/2026 5:38:29 AM	JimZhongLiang	9556022005555	Saji Cooking Oil 5kg	12	15
21/04/2026 5:31:45 AM	jamica	9556001122333	Hup Seng Cream Crackers 428g	60	65
21/04/2026 5:29:41 AM	jamica	9556439887012	Maggi Curry Instant Noodles 5x79g	121	120
21/04/2026 5:29:19 AM	jamica	9556439887012	Maggi Curry Instant Noodles 5x79g	121	120
21/04/2026 5:24:12 AM	jamica	9556000002131	Julie's Peanut Butter Sandwich 360g	50	55
21/04/2026 5:24:01 AM	jamica	9556001122333	Hup Seng Cream Crackers 428g	65	65
21/04/2026 5:22:07 AM	jamica	9556123450019	Gardenia Original Classic 400g	30	30
21/04/2026 5:19:48 AM	jamica	9556001122333	Hup Seng Cream Crackers 428g	60	65
21/04/2026 5:18:23 AM	jamica	9556123450019	Gardenia Original Classic 400g	30	30
20/04/2026 6:57:12 PM	jamica	9556001122333	Hup Seng Cream Crackers 428g	65	65
20/04/2026 6:56:58 PM	jamica	9556439887012	Maggi Curry Instant Noodles 5x79g	120	120
20/04/2026 6:54:04 PM	jamica	9556000002131	Julie's Peanut Butter Sandwich 360g	54	55
20/04/2026 6:53:37 PM	jamica	9556123450019	Gardenia Original Classic 400g	20	30
20/04/2026 6:50:55 PM	jamica	9556001010012	Milo Soft Pack 1kg	34	45

Exception Handling & Recount

Objective

Verify discrepancies may happen from time to time, immediate action is important especially for high value retail items. Store manager or supervisor can take recovery action so that the losses can be minimum.

Key activities

- Recount triggered digitally for selected SKUs or zones.
- Supervisor approval required for adjustments beyond threshold.
- Comments and photos can be attached for audit trail.

Outcome

- Reduced false adjustments
- Strong governance and control



Inventory Adjustment & System Update

Objective

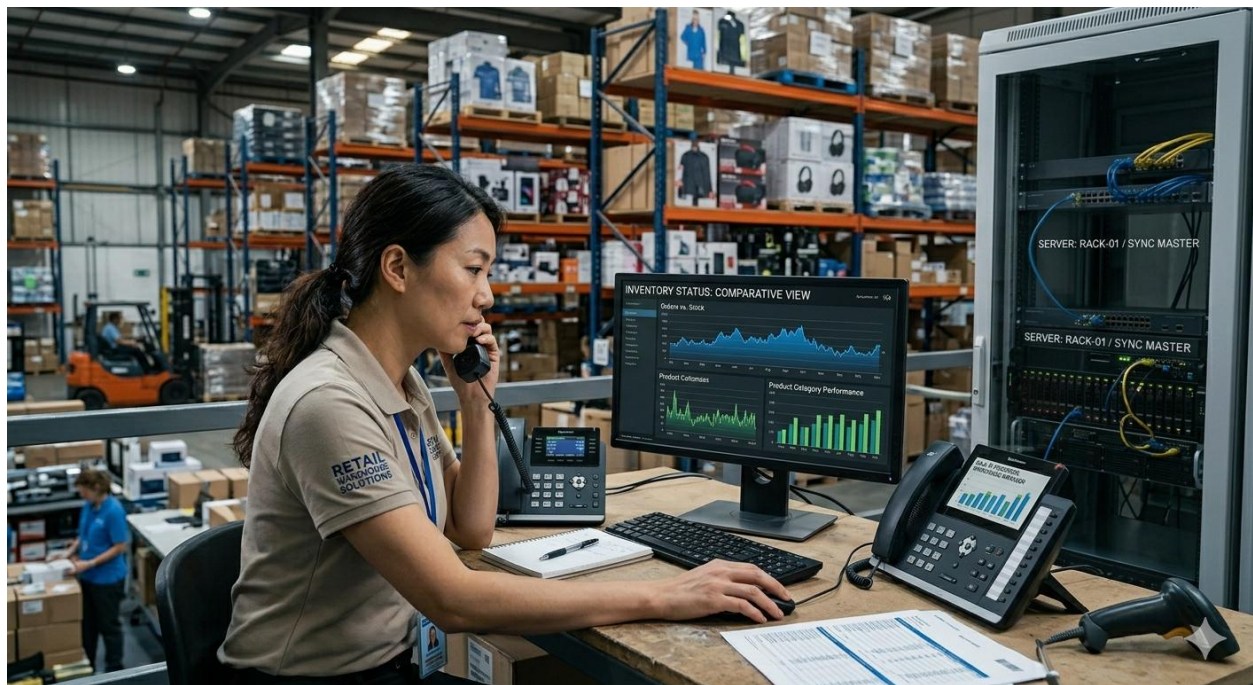
Align system stock with actual physical stock. By shortening the time for adjustment, it and immediately improves the customer experience in the retail shop floor. Customer only believe on what I want to buy should appear at your retail shop floor, they are not interested in your retail shop floor operation.

Actions

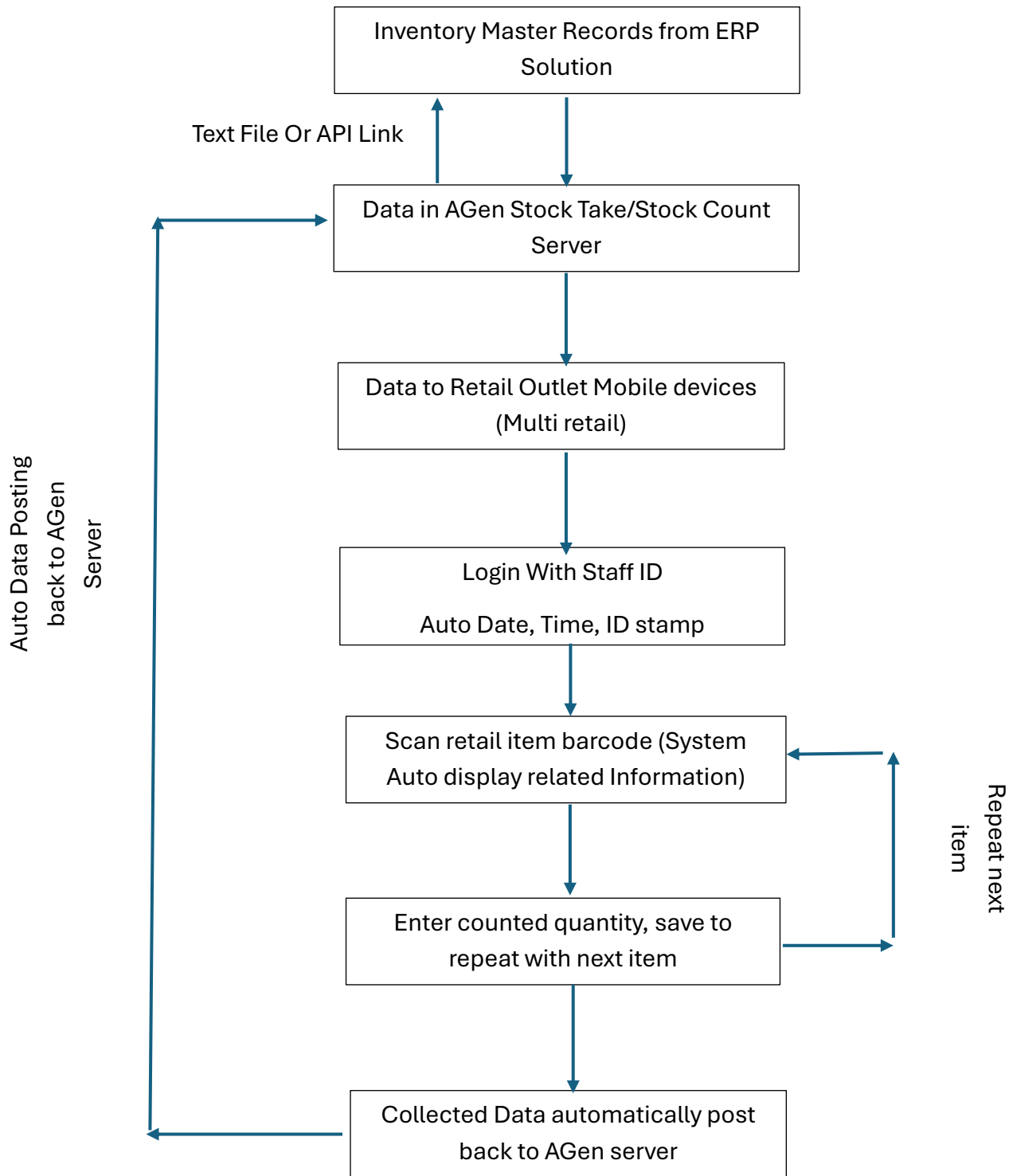
- Approved variances posted automatically to ERP
- Inventory level updated in real time
- Financial impact reflected in stock valuation

Integration

- Point Or Sales (POS)
- Enterprise Resource Planning (ERP)
- Warehouse Management System (WMS)
- Finance module



Process Flow for stock count



Device Management

Objective

AGen device management solution is offering our customers the overview of the total android device connected to AGen. The system administrator can easily detect which retail outlet device is fail and which is still online. The basic indicator like battery status, last sync date time can be also view from this view.

Actions

- Overview of total devices connected to AGen server
- Device basic information
- Paging device for broadcast message.

Outcome

- Device basic information
- Information updating

Device Management

Device Information

The screenshot displays a user interface for device management. At the top right, there are icons for refresh, user profile, and a list. Below this, there is a grid of six device information cards arranged in two rows of three. Each card contains the following information: a status bar with a green circle, a power icon, a refresh icon, a checkmark, a user icon, and a '100%' battery indicator; a device icon; 'Device Name: SmartAC1 (AJE1254300215)'; 'Last Sync: 23/04/2026 12:37:20 PM'; an 'Info' button; and a 'Delete Device' button. The device IDs for the six cards are: 215, 244, 247, 219, 248, and 214.

Build In Free Barcode scanner

Objective

AGen comes with free build in barcode scanner for the objective of making sure the barcode reading operation performed by AGen application does not affect even the primary barcode scanner customer use is defect during the operation. We understand how important data for our customers is. We hope staff have no excuse to blame the devices so they do not need to work on their task.

Actions

- Enable or disable the barcode scanner from the AGen software.
- Device basic barcode scanning can still be performed with device camera.
- Use the build in free barcode scanner to capture barcode.

Advanced insights

- Build in free barcode scanner in AGen give you backup if your barcode scanner is failed in your device.
- This barcode scanner also helps mini retail store who do not want to invest on barcode scanner.



Reporting & Insights

Objective

Learn and improve future operations. From AGen user configurable reporting tools, back-end users can anytime configure their own daily report. Users will not be constrained by the software reporting capability. By

Standard reports

- Stock accuracy %
- Shrinkage rate
- Category variance analysis
- Store vs store comparison
- Staff productivity during stock take

Advanced insights

- Root cause analysis (theft, process gaps, system issues)
- Trend analysis over multiple stock takes



Daily Email Alert for Data Transfer Summary

Objective

Automatic alert administrators on daily data collected by different retail stores automatically. System administrators in surface need to make sure all the data collection process is moving smooth daily in every branch so they can complete their administrative task on the devices and data collection process. For data analysis, this task will be performed by the inventory manager to optimize the retail store operation.

Actions

- Enable or disable the auto email alert from AGen software.
- Configure the information required to appear on the email.
- Daily data transfer activity review from AGen summary page.

Advanced insights

- Building an email alert system makes device administrator life easier.
- Let the software automatically work and report to you without any clicking.



Date	Week	Barcode	Online	Posted	Total	Status	Remark
23/04/2026	Thursday	2102	13/13	2102/2102	3734	Success	No
22/04/2026	Wednesday	2262	13/13	2481/2262	3734	Success	Post yesterday fail posting date
21/04/2026	Tuesday	2744	13/13	2525/2744	3734	Need Attention	Data posting fail
20/04/2026	Monday	3904	13/13	4422/3904	3734	Success	Post yesterday fail posting date
19/04/2026	Sunday	2635	13/13	2635/2635	3734	Success	No
18/04/2026	Saturday	3010	13/13	3011/3010	3734	Success	Post yesterday fail posting date
17/04/2026	Friday	4269	13/13	4269/4269	3734	Success	No
16/04/2026	Thursday	3916	13/13	3915/3916	3734	Need Attention	Data posting fail
15/04/2026	Wednesday	3631	13/13	3631/3631	3734	Success	No
14/04/2026	Tuesday	3618	13/13	3618/3618	3734	Success	No
13/04/2026	Monday	3384	13/13	3384/3384	3734	Success	No
12/04/2026	Sunday	2407	13/13	2407/2407	3734	Success	No
11/04/2026	Saturday	2759	13/13	2759/2759	3734	Success	No
10/04/2026	Friday	3693	13/13	3693/3693	3734	Success	No
09/04/2026	Thursday	3444	13/13	31288/3444	3734	Success	Post yesterday fail posting date
08/04/2026	Wednesday	2350	13/13	13819/2350	3734	Success	Post yesterday fail posting date