OFFICIAL STANDARD OPERATING PROCEDURE (SOP) • USER MANUAL

PulseCal

Smart Offline Merchant Calculator & Dynamic QR POS

100% Offline, Privacy-First Merchant Point of Sale & Adding Machine. Free Forever.

Comprehensive operating manual for street food vendors, cafes, night markets, and retail merchants. Features instant adding machine tape, dynamic national QR code generation, rapid cash change calculations, and offline bank statement reconciliation.

Instant Adding Machine Tape
Enter prices and quantities continuously. Digital paper tape shows real-time bill breakdown with instant Undo.

Dynamic National QR Codes
Generates EMVCo standard dynamic QR codes locked to the exact bill amount. Customers scan and pay instantly.

100% Offline (Local-First)
No internet required. All data is saved on your device via IndexedDB. Fully compliant with PDPA standards.

Bank Statement Reconciliation
Verify incoming bank transfers before closing and export authentic Microsoft Excel (.xlsx) reports offline.

DEVELOPER & COPYRIGHT HOLDER
NOVA PULSE AI CO., LTD. (Thailand)

DBD REGISTERED LEGAL ENTITY ID
0125569038981 (Headquarters • VAT ภ.พ.20)

OFFICIAL WEB PORTAL
https://cal.nova-pulse-ai.com

MAIN TECH PLATFORM
https://nova-pulse-ai.com (NovaPulse AI Platform)

SECURITY ARCHITECTURE
Local-First IndexedDB Vault • Zero Server Data Storage

COMPLIANCE STANDARD
100% PDPA Compliant • EMVCo National QR Standard

VERSION & PLATFORM EDITION
Version 2.9 (Pan-Asian Offline Edition)

LICENSING & RELEASE DATE
100% Free Forever • November 2026

Chapter 1: Quick Start in 3 Easy Steps

1 Continuous Price Entry (Adding Machine Tape)

Enter prices and quantities like 40 + 50 or 25 × 3. Digital tape tracks all entries in real-time. Tap Undo to correct any typo instantly.

2 Tap Checkout to Generate Dynamic QR or Receive Cash

Tap [= Checkout / QR] to lock in the exact amount on the QR code, or tap Quick Cash buttons [100] [500] [1000] to calculate change.

3 Daily Summary & Bank Statement Reconciliation

Review daily totals, tick off verified bank deposits against your banking app, and export a native Excel (.xlsx) file in 1 minute.

Chapter 2: Visual Page Tour & Features



1. 3D Keypad & Digital Paper Tape

Zero-latency tactile buttons with live tape ledger and instant Undo.



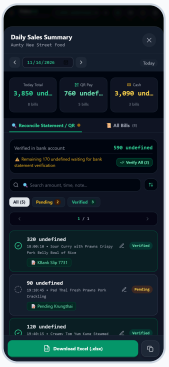
2. Dynamic QR Code Payment

Locks exact amount in the QR code. Zero typing required by customers.



3. Quick Cash Change Calculator

Additive multi-tap cash shortcuts with jumbo high-visibility change digits.



4. Daily Reconciliation & Excel Export

Reconcile transfers against your banking app and export native Excel offline.

Chapter 3: Pro Tips & Keyboard Shortcuts

🌞 Solar Outdoor Mode

Switch to high-contrast reflective LCD glass mode for direct outdoor sunlight readability at street markets.

👁️ Privacy Mask Mode

Tap eye icon to hide daily revenue totals on the header to protect financial privacy from standing customers.

💵 Additive Quick Cash Multi-Tap

Tap cash shortcut buttons multiple times to add up received bills quickly (e.g. 3x 100 = 300) with automatic change.

🌎 Tourist Multi-Currency Conversion

Set custom exchange rates to display equivalent tourist currencies (USD, CNY, JPY, EUR, etc.) on the display.

Chapter 4: PWA Mobile Installation & Contact

iPhone / iPad (Safari)

1. Open **https://cal.nova-pulse-ai.com** in Safari
2. Tap the **[Share]** icon (square with arrow)
3. Scroll down and tap **"Add to Home Screen"**
4. Tap "Add" to launch full-screen like a native app

Android (Google Chrome)

1. Open **https://cal.nova-pulse-ai.com** in Chrome
2. Tap the 3-dots menu **[⋮]** in the top-right corner
3. Select **"Install App"** or "Add to Home screen"
4. Confirm install to enjoy 100% offline access

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OFFICIAL WEBSITE & ACCESS

https://nova-pulse-ai.com | https://cal.nova-pulse-ai.com

SUPPORT & CHANNELS

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PulseCal is dedicated to empowering micro-retailers and street merchants with 100% offline, zero-commission financial technology.