

indition POS

Point of Sale

Release Notes — Module v1.0

First in-store release · 2026-05-01

What's new

Indition's first in-store Point of Sale module is shipping. It runs as a browser-based register at `/pos/`, integrates with the existing Shop catalogue, customers, and Inventory module, and processes card-present payments through Stripe Terminal.

- Full cashier flow — barcode scanner, customer lookup, fractional fabric sales, serialized SKUs, hold/resume, returns, exchanges
- Stripe Terminal integration — S700 reader pairing, default-reader selection, tipping prompt, card-on-file
- Cash drawer + X/Z reports for end-of-shift accountability
- Per-line discounts, configurable tax exemption, configurable quick-key buttons
- Atomic transactions — every sale, refund, and exchange runs in a single DB transaction with serial flips and inventory adjustments rolled in

Setup

Three one-time steps before the register is usable:

1. **Run the POS module install.** Adds 7 tables (`card_reader`, `session`, `sale`, `sale_item`, `payment`, `cash_movement`, `customer_card`) and seeds 13 settings rows.
2. **Run the InStorePickup 5.6.2 migration.** Adds `is_pos_location` and `stripe_terminal_location_id` to the dealer table.
3. **Configure POS Settings.** Visit `/admin/POS/admin/settings/index` — toggle the master switch, pick a store, paste Stripe credentials, configure tender types, optionally enable tipping and quick keys.

Then mark a dealer as a POS Location, paste their Stripe Terminal Location ID, and pair card readers under `/admin/POS/admin/cardReader/index`.

Major features

CASHIER UX

Browser-based register at `/pos/`

Full-screen kiosk-style terminal that runs in any modern browser on a PC with a barcode scanner attached. Login uses existing admin credentials. F1–F8 keyboard shortcuts for new order, customer lookup, search, payment, void, discount, hold, recall.

CATALOGUE

Live Shop catalogue with configurable status filter

Real product / customer queries against the Shop module. Multi-status filter in Settings lets administrators pick which product status bits the register should surface — defaults to *Sellable + Active*, but a cashier can be allowed to look up Inactive or Search Only items for reference.

FABRIC SALES

Fractional quantity for products sold by the unit

SKUs flagged with a unit-of-measure (yard, foot, lb, kg, etc.) automatically prompt for a fractional quantity at the register. Decimal entry like `3.25 yd` is supported with the cashier-friendly fractions $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{1}{8}$.

SERIALIZED INVENTORY

Serial-number capture for serialized SKUs

When a product has serialization enabled in the Inventory module, scanning or selecting it opens a serial-entry modal. The serial is validated against `shop_inventory_serial` in real time. On commit, the serial flips to `sold` with full audit trail. Returns flip it back to `in_stock`.

PAYMENTS

Stripe Terminal in-person card payments

Browser-based card processing through the Stripe Terminal SDK. The S700 (and BBPOS WisePOS E) connect over LAN/Wi-Fi. Pair readers in admin, then the cashier just clicks **Charge** and the customer taps. PaymentIntent IDs are stored against each sale for refund / lookup.

Multi-reader support: dealers with multiple registers can flag one reader as *default*; the terminal auto-connects to that one, falling through to the next online reader if the default is unavailable.

PAYMENTS

Tipping (configurable)

Off by default. When enabled in Settings with preset percentages (`15`, `18`, `20` by default), the cashier sees a tip-selection modal before card capture. Customer can take a preset, enter a custom amount, or skip. The tip rolls into the PaymentIntent amount and persists on `shop_pos_payment.tip_amount` so reports break it out.

CUSTOMERS

Card on file

During a card payment, cashier can tick "Save card on file for [Customer Name]". The Stripe Terminal flow uses `setup_future_usage`; we persist the resulting PaymentMethod metadata in `shop_pos_customer_card`. Subsequent visits show the saved card as a one-tap "👉 VISA ••••1234" button on the payment screen — useful for repeat customers and phone orders.

CUSTOMERS

Tax-exempt customers

The existing `shop_customer.is_tax_exempt` flag now flows through to the register. When a tax-exempt customer is attached to an order, the customer bar shows a green TAX EXEMPT badge and the tax row in the totals zeroes out automatically.

RETURNS**Refunds, exchanges, and partial returns**

Returns search past sales by sale number, customer name, phone, email. Cashier picks how much of each line to refund (with serial-level control on serialized items). Three flavours of completion:

- **Plain refund** — money back to original card or cash.
- **Even exchange** — returned items cover the new ones; one-tap completion, no money changes hands.
- **Net-positive exchange** — customer pays the difference for higher-value items.
- **Net-negative exchange** — when returns exceed new items, the difference is refunded to original card or cash via a separate refund-method picker.

CASHIER OPS**Hold and recall orders**

F7 holds the current cart with an optional name/note. F8 opens the recall picker showing every held order at this dealer with item count, customer, total, and creation time. Tap one to load it back into the cart.

CASHIER OPS**Cash drawer + X/Z reports**

The new "Cash" header link opens a session summary: sales count, refund count, by-tender breakdown, drawer movements, expected cash. Cashier can record drops, pickups, pay-ins, pay-outs mid-shift. End-of-shift Z report closes the session, captures the counted-cash float, computes the variance, and renders a printable summary.

CHECKOUT**Per-line discounts**

Click any item's line total to add a percentage or flat-dollar discount. Stacks alongside the existing order-level discount. Discounts persist on each sale item so reports retain the breakdown.

SPEED**Quick-key product buttons**

Configure a list of SKUs in Settings (*Quick Key SKUs*) and they show as a row of one-tap buttons across the top of the Products tab. Useful for fast-moving items: needle packs, class fees, gift cards, etc. Up to 24 buttons per terminal.

INVENTORY**Automatic stock deduction on every sale**

When the Inventory module is installed, every committed sale debits

`shop_inventory_item.qty_on_hand` at the dealer's resolved location. Refunds and exchange-returns credit the stock back. No separate sync job needed; everything runs inside the same DB transaction as the sale itself.

Migrations

Module	Patch	Effect
POS module	<code>Patch1_0_CreatePOSFoundation</code>	Creates 7 tables, seeds 13 settings rows. Idempotent.
InStorePickup	<code>Patch_562_InstorepkpDealerInformation</code>	Adds <code>is_pos_location</code> , <code>stripe_terminal_location_id</code> . Idempotent.

Settings reference

13 keys under `setting_group = 'POS'`:

- `POS_MODULE_ENABLED` · master switch
- `POS_ENABLED_STORE_IDS` · which stores can use POS
- `POS_DEFAULT_TAX_RATE` · default sales tax %
- `POS_TENDER_TYPES` · tender list shown on the payment screen
- `POS_RECEIPT_HEADER`, `POS_RECEIPT_FOOTER`
- `POS_STRIPE_PUBLISHABLE_KEY`, `POS_STRIPE_SECRET_KEY`
- `POS_PRODUCT_STATUS_FILTER` · which Shop status bits the register surfaces
- `POS_TIPPING_ENABLED`, `POS_TIP_PRESETS`
- `POS_QUICK_KEY_SKUS`

Deferred to follow-up modules

- **Email / SMS receipts** — buttons exist, will be wired into the existing Indition email + SMS infrastructure in a separate release.
- **Gift cards** — issuance + redemption land with the upcoming Gift Cards module; POS will integrate as a tender type at that time.
- **Loyalty / rewards** — separate module, ties into the customer record.
- **Restocking fees** — to be added on top of the refund / exchange flow.
- **iOS / Android companion app** — needed for the Stripe Reader M2 (Bluetooth-only, not supported by the browser SDK).

Known limitations

- **Online-only** — the terminal needs a live network connection. Offline-mode + sync queue is intentionally out of scope.
- **S700 only on the browser SDK** — the M2 (Bluetooth) is unsupported until the mobile companion ships.
- **Single workflow per terminal** — sessions are scoped to one dealer at a time. The auto-resolution picks the first POS-flagged dealer; future enhancement is a per-terminal "this is dealer X" setting.
- **Receipt printing** — currently uses the browser's print dialog. ESC/POS via a local agent is a known follow-up.

Repositories & revisions

Repository	Latest revision
POS module (<code>core/modules/Shop/modules/POS/</code>)	r326489
POSFront (<code>core/modules/POSFront/</code>)	r326490
indition-pos theme (<code>core/themes/indition-pos/</code>)	r326491
web/pos (<code>web/pos/</code>)	r326433
InStorePickup (POS-related changes only)	r326460