

Pleno · Store Hardware Checklist (English)

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For: New store owners, purchasing staff This checklist helps you buy all the hardware needed for "scan-to-order + POS + kitchen display". Prices below are rough market references in Thai Baht (THB); actual prices depend on local suppliers.

1. Core Principle: Network First, Devices Second

Scan-to-order, POS, and kitchen display all depend on the **network and server**. No matter how good the devices are, they stop working without a network. Therefore:

1. **Stable broadband + a good router** is the first priority.
2. Key devices (POS terminal, kitchen screen) should be connected to an **uninterruptible power supply (UPS)** to prevent lost orders during sudden power outages.
3. You do not need the most expensive devices. Stable, sufficient, and easy-to-maintain devices are the most important.

2. Hardware List (By Role)

1. Network & Power

Device	Purpose	Recommendation	Reference Price
Enterprise router / wireless AP	Cover the whole store with WiFi for customer scanning	Dual-band gigabit, 50+ clients	1,500–4,000 THB
Stable broadband	System operation and online payment	At least 100 Mbps; dedicated line preferred	Monthly fee
UPS	Keep POS / kitchen screen alive during power failure	600VA–1000VA	1,200–2,500 THB
Multi-port switch (large stores)	Wire multiple devices	8-port gigabit	500–1,000 THB

2. POS Counter

Device	Purpose	Recommendation	Reference Price
POS computer / tablet	Run the POS screen	Windows mini PC + monitor, or 10–11 inch Android tablet	5,000–12,000 THB
Barcode scanner (optional)	Scan customer payment code / product code	USB or Bluetooth, 1D+2D	300–800 THB
Receipt printer	Print checkout receipts	LAN / USB thermal 80mm	1,500–3,000 THB
Cash drawer (optional)	Store cash	Triggered by receipt printer	500–1,000 THB

3. Customer Scan-to-Order

Device	Purpose	Recommendation	Reference Price
Table QR stickers	Customers scan to order after sitting	Waterproof and wear-resistant PVC / acrylic, 1–2 per table	20–50 THB each
Entrance / welcome QR	Customers view the menu before entering	Stand + large QR code	100–300 THB
Tablet (self-service, optional)	Self-order kiosk at the door	Old tablet + stand works fine	Reuse old device

Customers scan with **their own phones**, so you do not need a tablet for every table. Table stickers + customer phones are enough and the most cost-effective option.

4. Kitchen Display (KDS)

Device	Purpose	Recommendation	Reference Price
Kitchen tablet / touch screen	Show pending orders (KDS)	Waterproof 10-inch Android tablet + wall mount	3,000–6,000 THB
Kitchen receipt printer (optional)	Print "kitchen tickets"	Same 80mm thermal	1,500–3,000 THB
Label printer (optional)	Print dish labels / packing labels	Thermal label printer	1,500–3,000 THB

5. Management & Office

Device	Purpose	Recommendation	Reference Price
Owner phone / computer	View reports and manage menu remotely	Existing device is fine	—
Staff phone (optional)	Servers use the app to track orders	Old Android phone	Reuse old device

3. Minimum Setup for a Small Single Store

- 1 POS tablet / computer + 1 receipt printer
- 1–2 QR stickers per table
- 1 kitchen tablet (KDS)
- 1 good router + 1 UPS
- **Total roughly 10,000–18,000 THB** (phones excluded; customers use their own)

4. Chain / Multi-store Additions

- Equip each branch with the same "small store minimum setup".
- Headquarters only needs a computer or phone with internet to view reports across stores. No extra hardware needed.
- Standardize device models for easier maintenance.

5. Printing Options

- **Network printer (recommended)**: Choose a cloud-enabled printer. The server can push receipts directly to the printer, no extra device needed, and it works with iPhone, Android, and web.
 - **Local receipt printer (Android only)**: If using a USB / WiFi receipt printer in the store, install the "Print Agent App" on an Android device as a bridge. iPhone does not support this local direct connection; use the network printer option instead.
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6. Purchasing Notes

1. **Confirm your store account is active before buying hardware** to avoid wrong purchases.
 2. For printers, prefer **LAN (network)** models over Bluetooth-only; they are more stable and work over distance.
 3. Table stickers must be **waterproof and oil-resistant** for the kitchen environment.
 4. Use the same brand of router for all devices for more stable WiFi.
 5. Keep invoices and warranties for quick replacement if devices fail.
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This checklist only covers hardware needed for opening a store.