

Bravo Store Essentials

Hardware & Supplies Checklist

Bravo runs best when paired with our recommended hardware. Some of these hardware components are required and others are optional, but they are all used directly with Bravo to run an efficient, profitable store.

WORKSTATIONS

Component	Minimum Requirements
Operating System	Windows 8.1 or higher must be using a 64bit version of windows.
Processor	Intel Core i3 (5 th gen) @ 2.0 GHz
Memory	6GB - 8GB RAM
Disk Space	1GB Minimum
Graphics Card	1024 x 768 Intel HD Graphics 2500 / Radeon HD 6000+ or equivalent with 1GB VRAM; GPU running 300MHz

Shopping Links

Laptops

\$ - [Click here](#)

\$\$ - [Click here](#)

\$\$\$ - [Click here](#)

Desktops

\$ - [Click here](#)

\$\$ - [Click here](#)

\$\$\$ - [Click here](#)



Helpful Tips When Ordering:

Processor Performance is dependent on the clock frequency of the processor and on the number of cores and the size of the processor cache.

Disk Space Requirements for the system partition are approximate. Additional available hard disk space may be required if you are installing over a network.

Minimum Spec. Requirements are listed above. These are the lowest component requirements to use Bravo at its fullest potential.



INTERNET

Recommended Speed

For a 3 workstations store is

- Download Speed – 30.00 Mbps
- Upload Speed – 10.00 Mbps

Redundancy and Failover

We recommend using a router with LTE Failover options (see page 9) and a hotspot device or sim card connected to the router.

Internet Package

The better the internet connection, the better Bravo will run for you. We recommend that you check with your Internet Service Provider (ISP) to see the different speed options available to you. We also recommend periodically checking the speeds of your service to ensure your ISP is delivering the subscribed speed. You can check this at speedtest.net.

REPORT PRINTERS & PAWN TICKETS

Helpful Tips When Ordering:

Purpose and Quantity

Most stores prefer one printer for reports and one printer for pawn tickets. Alternatively, you can choose a dual tray printer. Either of these options will allow you to print both types of documents without having to switch the paper each time a different job is selected.

Consider

A color printer for pawn tickets will allow you to print your logo and ads in color.

Requirements

Must be Ethernet (network) printers. Connection must be plugged directly into the switch.

Please note that Bravo is not compatible with dot matrix printers.

Shopping Links

Single Tray
Black & White - [Click here](#)
Color - [Click here](#)

Dual Tray
Black & White - [Click here](#)
Color - [Click here](#)

Pawn Tickets
Varies per state.
Available via Burrell.
Contact Mark Bolles at
(512)990-1188



LABEL PRINTERS & SUPPLIES

Helpful Tips When Ordering:

Purpose

Bravo uses three types of labels, and each type of label requires a dedicated printer.

1. General Merchandise
2. Jewelry
3. Price Slasher (optional)

Make, Model, Part Number

- Zebra TLP 2824 Plus, Part No. 282P-101510-000
- Zebra GX420T, Part No. GX42-102410-000
- Zebra ZD620T, Part No. ZD62043-T01F00EZ
- Godex RT700i

Requirements

Must be ethernet (network) printers. Connection must be plugged directly into the switch.

A Note from Our Hardware Specialists

Bravo technicians will attempt to work with you on installing your non-supported printer, but we cannot guarantee full compatibility. Please note that because of the labels and drivers, DYMO printers are not compatible with Bravo. Bravo technicians do not have advanced troubleshooting knowledge for non-supported printers, so we may be able to get it working initially but not be able help with future issues.

Shopping Links

Most Recommended

GX420 - [Click here](#)

Zebra 2824+ - [Click here](#)

Loan Labels

2.25" width by 0.75" length
Zebra Part No: 10015340

Jewelry Labels

2.20" width by 0.50" length
Zebra Part No: 10010064

Price Slasher (optional)

2.250" width by 3" length
Zebra Part No. 10010042

Labels are available via

Burrell. Contact Mark
Bolles at (512)990-1188



RECEIPT PRINTER & SUPPLIES

Helpful Tips When Ordering:

Purpose

Every transaction will give you the opportunity to print or text a receipt. You can choose to print a receipt for the customer, for the store, or no receipt at all.

Required Make, Model, Part Number

Star TSP100 LANIII Part No. 39464910

The Star 39464910 is also known as **Star Micronics STA-39464910**.

Requirements

Must be ethernet (network) printers. Connection must be plugged directly into the switch.

A Note from Our Hardware Specialists

Bravo only supports this one type of receipt printer. *We may support the Star TSP100III WLAN model with part number 39464710, ONLY if your ROUTER has a WPS Wi-Fi pairing button.*

Pay close attention to the part number when ordering, **it needs to match exactly**. We do not recommend that you buy a used Star receipt printer or one that is older than 2 years.

Shopping Links

Printer

[Click here](#)

Ethernet Cable

If the Star printer is being used by 2+ computers, please order an ethernet cable

[Click here](#)

Receipt Paper

50 rolls of 3 1/8 inch-wide receipt paper

[Click here](#)



BAR CODE SCANNERS

Helpful Tips When Ordering:

Purpose

Highly recommended! To save you time and typing errors from manual entry by easily collecting customer and product information to input right into Bravo.

Make, Models, and Part Numbers

We recommend a few different scanners for scanning driver's licenses and IDs:

- **Honeywell Voyager 1400G-2D, Part No. 1400G2D-2**
This wired USB interface scanner usually comes with 1.5M Cable and stand. 2D linear image scanner capable of reading even poor quality and mobile 2D barcodes
- **Zebra DS3608-SR, Part No. DS3608-SR/DS3678-SR**
This is a wireless scanner with a USB interface. This scanner can scan both standard Bravo Barcodes and PDF417 barcodes from customer ID's. It also comes with a cradle that connects via USB.
- **Zebra DS8108-SR, Part No. DS8108-ST**
This is a wired scanner with a USB interface. This scanner can scan both standard Bravo Barcodes and PDF417 barcodes from customer ID's. It also comes with a cradle that connects via USB.

A Note from Our Hardware Specialists

These scanners are not Ethernet and work with a USB interface with a supplied USB to RJ-45 cable.

Shopping Links

Honeywell – Customer Fav.
[Click here](#)

Zebra Wireless
[Click here](#)

Zebra Wired
[Click here](#)



CASH DRAWER

Helpful Tips When Ordering:

Options of Drawer Management

- Global Till - Employees share one drawer
- General Till - Employees have their own cash drawer

Make and Model

The APG Series 4000

Part Number

- Multi-Pro JD320-BL1816
USED WITH GLOBAL TILLS - Also requires a CD-101A cable
(-C for extra coin storage)
- HID USB JD554A-BL1816
USED WITH GENERAL TILLS
(-C for extra coin storage)

Shopping Links

APG 4000 - Multi-Pro
Opens drawer when receipt prints.
Requires the CD-101A cable
[Click here](#)

CD-101A Cable
[Click here](#)

A Note from Our Hardware Specialists

Bravo works with 2 types of cash drawer interfaces.

1. The HID compatible cash drawer is a USB interface which allows the user to use the “Pop Drawer” function from their Bravo workstation. All that is required is a USB to USB Cable. This also can only be used on **GENERAL TILLS**, which are **NOT** shared tills and can only be used by one user at a time.
2. The Multi-Pro interface works directly with the Receipt printer (**STAR TSP 100LAN III**) and allows the cash drawer to open when a receipt is printed. To use this function, a CD101-A cable is required (this is purchased separately). This is best for GLOBAL TILLS which are tills that are **SHARED** by **ALL USERS**.

How to decide which cash drawer is for you:

Question: Do my employees share a single cash drawer?

If so, this means you run a Global Till. If your store shares a single cash drawer, you will want to order the Multi-Pro JD230-BL1816 and the CD101-A cable to connect your cash drawer to your receipt printer.

Question: Are my employees required to manage their own cash drawer throughout their shift?

If so, this means you run General Tills and only one user can connect to and manage a particular till at any given time. If your employees are required to manage their own cash drawers, the JD554A-b4816 HID till will work best. This till will connect to your Bravo workstations via USB and can pop drawers. You will need one cash drawer per workstation. Please note that you do not need a separate Star Receipt Printer per till.



ID SCANNER

Helpful Tips When Ordering:

Purpose

To save you time and typing errors by manual entry. The ID Scanner easily collects customer information and imports it into Bravo.

Make and Models

We recommend two different scanners:

- Scanshell 800NR: SCN2CON800NR
Color scanning device which interfaces to any USB 2.0 port. This allows for easy population of customer information and ID photos.
Does not meet Ohio requirements.
- Scanshell 800R: 566135-029
This is an Optical Character Recognition (OSR) scanner that translates printed text into digital text.
This is important for stores in Ohio to read the unique barcodes and data layouts of the Ohio state ID's.

Shopping Links

Scanshell 800NR
[Click here](#)

Scanshell 800R
[Click here](#)

A Note from Our Hardware Specialists

These scanners are not Ethernet capable and work via a USB interface.

We also now have a ID scanner plugin that works with the Honeywell Voyager 1400G2D-2 (see page 5), however that will not allow you to save a photo of the ID, and only allows you to scan the barcode on the back of the ID to fill in critical data points for your customer's information such as name and address.



FINGERPRINT SCANNER

Helpful Tips When Ordering:

Purpose

To save a digital image of your customer's fingerprint for police reporting. No biometrics at this time.

Quantity

Your choice or one per workstation.

Make and Models

Digital Persona 4500: 88003-01
USB interface with a 5.8ft USB cable

Shopping Links

Digital Persona Fingerprint
[Click here](#)

Fingerprint + Signature
[Click here](#)

SIGNATURE PAD

Helpful Tips When Ordering:

Purpose

To allow stores who need to capture customer signatures on transactions.

Quantity

Your choice or one per workstation.

Make and Models

Topaz T-S460-HSB-R

Shopping Links

Topaz Signature Pad
[Click here](#)

Fingerprint + Signature
[Click here](#)



ROUTER & SWITCH

Helpful Tips When Ordering:

Purpose

Our recommended switch is an unmanaged switch that we recommend for a 3-5 workstation store. Smaller stores are less likely to need a managed switch, but larger companies may benefit from one. If a larger or managed switch is needed for your operations, we recommend speaking with an IT professional to choose the proper hardware for your store set up.

Router

Cisco Small Business RV130W Wireless-N VPN Router which is recommended for its advanced 4G failover options for internet redundancy. This allows you to plug in any USB hotspot into the USB port of the router in case of temporary internet outages. This will keep your store up and running while allowing all your internal network devices and printers to still function properly. This router *DOES NOT* have a WPS pairing button.

Switch

Netgear ProSafe GS116 16 Port Gigabit Desktop Switch. We recommend this switch as it has enough ports for all devices.

Shopping Links

Router
[Click here](#)

Switch
[Click here](#)



Your Store Essentials

Store Network Topology

See above for specific make, model, and part numbers.

This store network topology applies to a typical store confirmation with 3 licenses.

