

Your 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.

Caution When Ordering:

- ✓ **All-In-One Computers** because of the way that the components are laid out in these machines, we do not recommend using them.
- ✓ **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 to the right. These are the lowest component requirements to use Bravo at its fullest potential. Looking at hardware.



WORKSTATIONS

How many?

One workstation for each Bravo License.

Component	Minimum Requirements
Operating System	Windows 7 or higher. Note: If you plan on using ID Scanners, Fingerprint Pads, or Signature Pads, then you will need a 64 bit OS.
Processor	Intel Core i5 @ 2.5 GHz
Memory	6GB – 8GB RAM
Disk Space	100 MB Minimum
Graphics Card	1024 x 768 Intel HD Graphics 2500 / Radeon HD 6000+ or equivalent with 1GB VRAM; GPU running 600MHz

REPORT PRINTERS

How many? We recommend two report printers.

Two printers allow you to print both types of documents without having to switch the paper each time a different job is selected.

Purpose – One printer for reports, one printer for pawn tickets.



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.

Note – Dual tray printers are not recommended.

Caution when analyzing your existing set up:

- ✓ Bravo does not support Print Servers. If your store currently uses one, you will need to have Ethernet printers on hand prior to your hardware configuration call. If you move forward with the Print Servers, any hardware support calls following the conversion will incur a \$150/hour fee.
- ✓ If you are currently using an Okidata printer, you will need to upgrade to a laser printer prior to your hardware configuration call.
- ✓ We recommend you consider something like the Brother HLL6200DW for small stores, or the Brother HLL5200DWT for larger stores.

LABEL PRINTERS



How many? Two. One for general merchandise and one for jewelry. Remember that you'll need a third if you have elected to use the Price Slasher.

Purpose – Bravo uses three types of labels: General Merchandise, Jewelry, and Price Slasher (optional). Each type of label requires a dedicated printer.

Make/Model – Zebra TLP 2824 Plus

Part No. – 282P-101510-000

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

Caution When Ordering:

- ✓ Bravo only supports this one type of label printer. Pay close attention to the part number when ordering, they need to match the part number exactly. We do not recommend that you buy printers that are older than 2 years, or that you purchase any used Zebra printer. The firmware that is installed on older or used machines can cause problems when the Bravo technician does the hardware installation.

RECEIPT PRINTER

How many? One Star Receipt Printer per global till.

Purpose – To print a transaction receipt for you, your customer, or both.

Make/Model – 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.

Caution When Ordering:

- ✓ Bravo only supports this one type of receipt printer. We also 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 receipt printer that is older than 2 years, or that you purchase any used Star printer.



BAR CODE SCANNER

How many? Your Choice.

Purpose – To save you time and typing errors from manual entry by easily collecting customer and product information to import right into Bravo. Not required but highly recommended.



Make/Model – We recommend a few different scanners:

- Honeywell Voyager 1400G2D (PART NUMBER 1400G2D-2) – **Works to scan driver licenses / IDs.** 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
- Honeywell Voyager 1202g – **Does not work to scan driver licenses/ IDs.** This is a wireless scanner with a USB interface. A USB Data Cable is not usually included with this item so one would have to be purchased in order to operate. This would connect the docking station to the workstation. This model currently does not scan 2D barcodes on IDs.

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



CASH DRAWER

How many? Your Choice.

Employees can share one drawer (called global till) or they can have their own cash drawer (called general till).

Make/Model – The APG Series 4000

Part number:

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

Caution When Ordering:

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:

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.

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

How many? Your Choice or One per Workstation

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

Make/Model – There are two different ID Scanners:

- Scanshell 800NR: SCN2CON800NR - **NOT FOR OHIO STORES** - Color scanning device which interfaces to any USB 2.0 port. This allows for easy population of customer information and ID photos.
- 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.

Note – 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, 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



How many? Your Choice or One per Workstation.

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

Make/Model - Digital Persona 4500: 88003-01 - USB interface with a 5.8ft USB cable.

SIGNATURE PAD

Make/Model - Topaz T-S460-HSB-R

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



Alternatively, you can get the **COMBO** unit we support! **Make/Model** – Topaz TF-LBK464-HSB-R



ROUTER & SWITCH



How many? 1 16 Port Gigabit Switch & 1 Cisco RV130W Wireless-N Router

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

INTERNET

Recommended Speed – for a 3 workstations store is:

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



Caution When Deciding on Internet Package and ISP:

- ✓ 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.

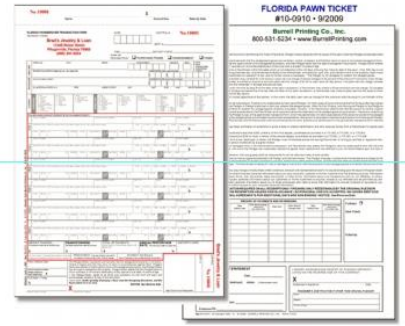
PAWN TICKETS

Most Bravo customers use Burrell Printing ticket stock. This is not a requirement. The stock that you order from Burrell will be blank on the front, and will have all of the necessary legal language on the back.

To order, contact Mark Bolles at Burrell. His phone number is (512)990-1188.

Keep in Mind:

- ✓ If there are any desired or required changes from the standard pawn ticket, it will require custom development by our engineers. Depending on the reasoning for the customization, fees may be associated with the change.



LABEL AND PAPER STOCK

How much? Your Choice.

You will need to order the following label and receipt paper stock:

- Jewelry (A Tags) - Zebra Part No: 10010064 with dimensions of 2.20" width by 0.50" length.
- General Merchandise (B Tags) - Zebra Part No: 10015340 with dimensions of 2.25" width by 0.75" length.
- Price Slasher (Optional) - Zebra Part No: 10010042 with dimensions of 2.250"width by 3.000" length.
- Receipt Paper - Thermal paper for Star Receipt Printers: 3 1/8 inches wide

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.

