

Equipment suggestions and recommendations

NOTE: Dazzle Systems Inc. does not sell or service computer hardware.

These are only recommendations.

You are free to buy anything you choose, anywhere you choose.*

If in doubt about compatibility, please ask us first.

**Except fingerprint scanner and ID scanner, which should be exact models listed*

PC's : Any modern desktop or Laptop with at least 4GB RAM, 100GB or bigger hard disk, 1024X768 or better screen resolution, and an Intel Dual-Core processor or better. Workstations should have 4 USB ports, and a high-speed Ethernet networking card.

Operating system: Windows XP or Vista or Windows 7 or Windows 8.x. If you are using the computer as a dedicated file server (not essential), then Windows 2003 Server, or 2008 Server or 2012 server can be used (Much more complex to set up) or you can just use a good Windows 7 or 8 PC as a small server..

PRINTERS:

Laser printer: A duplexing model is ideal (Duplex means – able to print both sides.) Do NOT select one with a MANUAL duplexer, make sure it is AUTOMATIC.

A highly recommended medium-volume model is the **HP LASERJET P3015dn**. **They keep changing model no's, so be flexible.**



Figure 1: HP LASERJET P3015dn

This printer is ideal because – it is fairly cheap – it can duplex – it has a networking port – and you can add an **extra paper tray**, which is very useful.

If you are a larger shop or you anticipate a higher volume then a good choice is the **HP M601dn**, which is physically larger but more heavy-duty



Figure 2 HP LASERJET M601dn

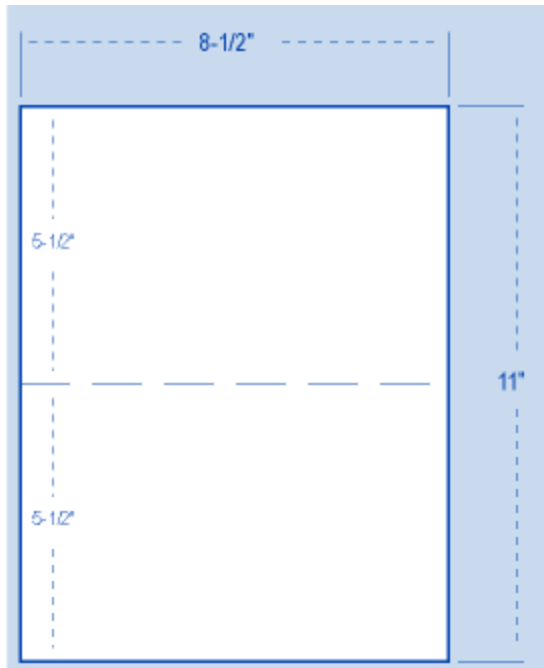
You can also get very good deals on a reconditioned HP LASERJET 4300 series,. They aren't manufactured any more but they are a very solid machine. Example below, but we are not recommending this particular vendor above any other:



HP 4300dtn printer

On any printer, a second paper drawer is a very good investment.

The printers use normal LETTER size paper, 8-1/2x11". It is best to use the perforated kind for tickets. If you have two paper drawers, put perforated in one and plain in the other. You can buy perforated paper from many different suppliers.



- One good supplier is www.gotoforms.com, Item No. 851055
- Another supplier is www.data-labels.com SKU# 04116

Please Note: Ink jet printers are not recommended.

LABEL PRINTER. The best brand by far is the ZEBRA brand. They make a wide range of compact desktop label printers.

The basic requirements for DAZZLE PAWN are:

- Ability to print labels up to 4" wide and 1" high
- Ability to do direct thermal printing. (No ribbon needed)

The recommended ZEBRA models are:

ZEBRA Model LP2844 OR Zebra GK420D

The LP2844 is no longer a current model but often used ones can be purchased inexpensively on Ebay.



Figure 3: ZEBRA Model LP2844



Figure 4 ZEBRA GK420D

Be sure to get a USB model, or pay extra and get one with a networking port, for easy network connectivity.

ZEBRA printers are available from several dealers, such as ---

- **The Barcode Factory:** www.BarcodeFactory.com/ZebraPrinter
- **Barcodes Inc:** www.barcodesinc.com/zebra/

Receipt and Slip printers:

Not a necessity. But if you wish you can print sales receipts on a 3" slip printer, such as the EPSON TM-U220, or the SAMSUNG SRP-350 or the STAR Micronics TSP100.

Print server

If your printers do **not** built-in have network ports, then so that many stations can share one printer, you will need a PRINT SERVER. Almost any one will do, as long as it offers enough ports. Some good names are NETGEAR, DLINK, LINKSYS etc. They are available from office-supply stores.

Wireless is not necessary – but these days many print servers come with wireless capability. We recommend you just switch that off.

Fingerprint Readers:

These are used by DAZZLE to eliminate the need for employee passwords. They are also widely used for positively identifying pawn and cheque customers, providing you with safety and confidence.

Electronically acquired fingerprints can be automatically printed on pawn tickets and reported to police depts. etc.

Futronics FS80 Fingerprint Reader (inexpensive, good quality image)



Figure 5: Futronics FS80

- available from www.fulcrumbiometrics.com PRICE ABOUT \$70.
- Also available through Amazon.com

Futronics FS88 Fingerprint Reader (slightly higher price, heavy duty construction, good quality image, FBI certified.)



Figure 5a: Futronics FS88

- available from www.fulcrumbiometrics.com PRICE ABOUT \$80.
- Also available through Amazon.com

Other fingerprint devices that have been used successfully with Dazzle

We guarantee compatibility ONLY with the two Futronics models above, but at various times, customers have reported success with these other devices. (Buy these at your own risk)

DigitalPersona U.are.U® 2000 Fingerprint Reader
DigitalPersona U.are.U® 4000 Fingerprint Reader
DigitalPersona U.are.U® 4000B Fingerprint Reader
Microsoft Keyboard with Fingerprint Reader
Microsoft Wireless IntelliMouse with Fingerprint Reader
Microsoft Fingerprint Reader
Testech Bio-I CYTE
UPEK TouchChip
AuthenTec AES1610
AuthenTec AES2501
AuthenTec AES4000

Note: Do **NOT** install any driver software that comes with any readers. Use the Dazzle™ biometric driver available on the dazzlepawn.com website, on the “downloads” page.

ID SCANNERS:

An ID scanner is a special scanner with special software (an add-on software to DAZZLE). It captures a picture of the customer’s license or ID, and stores it in the database. The picture is shown to you right alongside the customer information. An ordinary flatbed scanner can also be used to grab an image of ID, but the difference with the DAZZLE ID scanner is, it automatically grabs all the customer information off the ID and plugs it into the database for you... so no tedious typing, and no errors.

The really big advantage of the Dazzle ID scanner system is – you only need one for your whole shop. Every workstation can access it, thanks to some very clever sharing software built in to Dazzle. This is quite a money saver.

These scanners and the special software are only available by special order from **Card Scanning Solutions**.

Call (213) 867 2630. Order the Scanshell 800R scanner with the IDScan software.
Or order online from http://www.card-reader.com/online_shop_idscan.htm.
Do **NOT** install the software CD that comes with the reader.
Use our special installation software available on our website at www.dazzlepawn.com/dazzledownloads/dazzleidscaninstall.exe



Figure 6: Scanshell 800R scanner



THERMAL LABELS FOR YOUR LABEL PRINTER:

Dazzle primarily uses 3 sizes of labels.

The standard Pawn/Inventory label is 1" high x 3" wide (25mm x 76mm)

The standard "Butterfly" jewelry tag is 1/2" high by 2.2" wide. (56mm x 13mm)

Alternatively the "Rat-tail" Jewelry Tag is 1" high x 1-7/8" wide (25mm x 44mm)



Figure 7: 1/2" x 2.2"

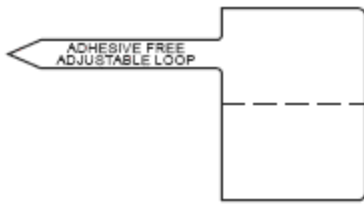


Figure 8: 1"x1-7/8"



These labels are available in many different qualities and colors from many vendors. Dazzle does not sell labels.

Here are some vendor names: We do not endorse or favor any one in particular.

<http://barcodescannersdiscount.com/dirtherlab2.html>

<http://www.labelrack.com/>

<http://www.barcodewarehouse.biz/webstore/Home.aspx?ActionSource=Header1>

<http://www.archcrown.com>

BARCODE SCANNERS

The Motorola DS4208 is recommended. It can handle just about any barcode and it is very reliable.



It is not the cheapest reader out there, but bear in mind that the cheaper readers don't read the two-dimensional barcodes, such as datamatrix codes, which Dazzle will be using soon.

CASH DRAWERS

The majority of retail software applications that will trigger a cash-drawer use a signal sent to a receipt printer to open the cash drawer. So, every time a cash sale is sent to the receipt printer the drawer opens. This requires an interface cable between the receipt printer and the cash drawer

However, Pawn-shop programs are different because the standard receipt printer uses a 3 inch paper tape and is not suitable for Pawn Tickets, Purchase contracts etc. Dazzle really does not utilize this type of receipt printer except for special purposes. Pawn tickets have to be sent to your laser printer – and this means that the cash drawer would not open when writing up a pawn. The same goes for other full-sheet documents. So instead of using a drawer connected to a receipt printer, Dazzle has to control the Cash-drawer directly via a computer serial port.

This requires a cash-drawer capable of being connected directly to a computer serial port. There are hundreds of different cash drawer models available in different sizes, and different designs, and it is difficult to keep up with which ones provide which interface. We recommend you call www.posguys.com at 800-903-6571 and explain what you need (just read this section to the salesman) and he can help you choose a drawer that fits your needs. Two manufacturers who make suitable drawers are; **MMF**, and **APG**.

If you already own cash drawers of the receipt-printer type and want to use them, there are various gadgets and adaptors that can make them work. This is more of an art than a science so give us a call and we'll try to help.

For more information about operating cash drawers with Dazzle™ [please read this](#).

If you have any questions please give us a call at your convenience. We'll try to help.

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