



# Zebra® GT820™ Desktop Printer



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## Advanced and Affordable

Providing enhanced performance and reliability at a competitive price, the GT820 direct thermal/thermal transfer desktop printer offers a wide range of advanced features to meet a variety of low- to medium-volume printing applications. These include productivity-enhancing features such as a 300 meter ribbon that limits downtime by requiring less-frequent replacement; fast, 127 mm per second print speed; powerful 32-bit processor for fast label throughput; and a large memory for faster processing plus

support for more graphics and longer labels.

## Designed Just for You

Built with Zebra quality and durability, GT820 is designed for versatility and easy integration, with a flexible choice of connectivity interfaces, as well as co-resident EPL™ and powerful ZPL® programming languages for compatibility with all Zebra printers. With support for media widths up to 114 mm, the GT820 is ideal for many applications including those requiring wider media.

## Ideal for These Applications

- **Manufacturing**
  - Light-industrial work-in-process
  - Product and shipping labeling
- **Transportation & logistics**
  - Boarding tickets
  - Bag tags
  - Parking passes
- **Government**
  - Asset management
  - Documents management
  - Evidence tracking
- **Healthcare**
  - Laboratory specimen
  - Blood bank labeling
- **Retail**
  - Price labeling
  - Receipt printing

# SPECIFICATIONS AT A GLANCE\*

## Printer Name

GT820<sup>^</sup>

## Standard Features

- 300 meter ribbon capacity
- 32 bit RISC processor
- Co-resident EPL and ZPL programming languages
- GT 800 series Connectivity Options:
  - GT820: Serial & USB
  - GT800: Serial, USB & Parallel
- Print methods:
  - Thermal transfer and direct thermal modes
- Construction: Dual-wall frame, reinforced plastic
- OpenACCESS™ for easy media and ribbon loading
- Certified Microsoft® Windows® drivers

## Printer Specifications

### Resolution

203dpi/ 8dots per mm

### Memory

8MB Flash, 8MB SDRAM (standard)

### Print Width

4.09"/ 104mm

### Print Length

39"/ 990mm

### Print Speed

5"/ 127mm per second

### Media Sensors

Standard:  
Fixed reflective and transmissive sensors

## Media Characteristics

### Media Width

0.75"/ 19.5mm to 4.49"/ 114mm

### Media Length

0.25"/ 6.5mm to 39"/ 990mm

### Maximum Media Roll Size

5"/ 127mm O.D. on a 1"/ 25.4mm, 1.5"/ 38mm I.D. core

### Media Thickness

0.003"/ 0.08mm ~ 0.007"/ 0.18mm

### Media types

Roll-fed or fan-fed, die cut or continuous direct thermal labels with or without black mark, tag stock, continuous receipt paper, wristbands, and optional liner-free direct thermal media

## Ribbon Characteristics

### Outside Diameter

2.6"/ 66mm (300m); 1.34"/ 34mm (74m)

### Standard Length

984' (300m); 244' (74m)

### Ratio

- 1:4 media to roll to ribbon (300m)
- 1:1 media to roll to ribbon (74m)

### Width

1.33"/ 33.8mm ~ 4.3"/ 110mm

### Core I.D.

- 300m ribbon 1"/ 25.4mm
- 74m ribbon 0.5"/ 12.7mm

## Operating Characteristics

### Environmental

- Operating Temp:  
40°F/ 5°C ~ 105°F/ 41°C
- Storage Temp:  
-40°F/ -40°C ~ 140°F/ 60°C
- Operating Humidity:  
10% ~ 90% non-condensing R.H
- Storage Humidity:  
5% ~ 95% non-condensing R.H.

### Agency Approvals

TUV-R NRTL, TUV-R CB, NOM, KCC, CE,  
FCC Class-B

## Physical Characteristics

Width: 7.75"/ 197mm  
Height: 7.25"/ 184mm  
Depth: 10.75"/ 273mm  
Weight: 10.98 lbs/ 5kg

## Fonts/ Graphics/ Symbologies

- 16 resident expandable ZPL fonts
- One resident scalable ZPL font
- 5 resident expandable EPL2 fonts
- Supports user-defined fonts and graphics — including custom logos

## Bar Code Symbologies

- Bar Code Ratios:  
2:1 (non-rotated) and 3:1
- Linear Bar Codes:  
Codabar, Code 11 (ZPL), Code 128, Code 39, Code 93, Code 93, EAN-13, EAN-8, EAN-14 (ZPL), German Post Code (EPL), Industrial 2-of-5 (ZPL), Interleaved 2-of-5, Japanese Postnet (EPL), ISBT-128 (ZPL), Logmars (ZPL), MSI, Plessey, Postnet, GS1 DataBar (RSS-14), Standard 2-of-5 (ZPL), UCC/EAN-128 (EPL), UPC and EAN 2 or 5 digit extensions (ZPL), UPC-A, UPC-A and UPC-E with EAN 2 or 5 digit extensions, UPC-E, and GS1 Databar (formerly RSS)
- 2-Dimensional:  
Codablock (ZPL), Code 49 (ZPL), Data Matrix, MaxiCode, QR Code, PDF417, MicroPDF417, Aztec (For EPL and ZPL except where noted)

## Communication and Interface Capabilities

- Centronics® parallel (36 pin) connector ports (GT800 only)
- RS-232 Serial interface
- USB V1.1 interface, bi-directional

## ZebraLink™ Solutions

### Software

- Zebra Setup Utilities:  
Windows utility drivers to set up and configure your Zebra printer
- ZebraDesigner™ Pro:  
An intuitive, easy-to-use software program for creating complex label designs (option)
- ZebraDesigner:  
Offers basic features for simple label design
- Zebra Universal Driver:  
The most powerful driver available from Zebra

### Firmware

- ZBI 2.0™:  
Powerful programming language that lets printers run stand-alone applications, connect to peripherals, and much more (option)
- ZBI-Developer™:  
Programming utility makes it dramatically easier for programmers to create and test complex ZBI 2.0 programs and distribute them to the printer (standard with ZBI 2.0)
- ZPL II®:  
Zebra Programming Language provides sophisticated label formatting and printer control and is compatible with tabletop and mobile Zebra printers
- EPL2™:  
Eltron Programming Language simplifies label formatting and enables format compatibility with legacy applications

<sup>^</sup> GT820 availability is country specific. Please contact Zebra Local Representative for details.



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