Zebra® GT820 ™
Desktop Printer

ZEBRA TECHNOLOGIES

SEE MORE. DO MORE.

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^

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

^ GT820 availability is country specific. Please contact Zebra Local Representative for details.