



GL820D Label Printer – Fast and Reliable with Bluetooth and USB

Data sheet

Summary

- ✓ Direct thermal printing – no ink or toner required
- ✓ 203 dpi print resolution
- ✓ Print speed up to 127 mm/s
- ✓ USB 2.0 and Bluetooth connectivity
- ✓ Label width support from 20 mm to 118 mm

Product description

Gilford GL820D Label Printer – 203 dpi Direct Thermal, USB & Bluetooth

Drivers & Software

For proper installation, the driver must be installed before connecting the printer.

Driver

Download the latest driver here:[Download driver here](#)

Diagnostic Tool

If you experience installation or communication issues, use the Diagnostic Tool:

[Download Diagnostic Tool](#)

Product Overview

The Gilford GL820D is a compact and reliable direct thermal label printer designed for businesses that require fast, accurate, and flexible labeling. With a 203 dpi resolution and support for USB and Bluetooth connectivity, it is well suited for warehousing, logistics, retail, and e-commerce operations.

Its compact desktop design makes it ideal for packing stations, office environments, and mobile workflows. The printer integrates smoothly into existing systems thanks to broad support for standard printer languages including TSPL, EPL, ZPL, and DPL.

Performance & Compatibility

With a print speed of up to 127 mm/s and support for label widths between 20 mm and 118 mm, the GL820D handles high-volume daily printing tasks efficiently.

Direct thermal technology eliminates the need for ink or toner, reducing operating costs and simplifying maintenance.

The printer is compatible with Windows and supports Android and iOS via application-based printing, making it suitable for both desktop and mobile environments.

Key Features

- Direct thermal printing – no ink or toner required
- 203 dpi print resolution
- Print speed up to 127 mm/s
- USB 2.0 and Bluetooth connectivity
- Label width support from 20 mm to 118 mm

- Compact desktop form factor
- TSPL, EPL, ZPL, and DPL language support

Technical Specifications

Suitable for E-commerce, Warehousing & Retail

The GL820D is designed to meet the demands of modern logistics and retail environments. It is suitable for printing shipping labels for carriers such as DHL, PostNord, and Schenker, as well as shelf labels and inventory barcodes.

Its compact size, wireless capability, and consistent output make it a practical solution for businesses seeking efficiency and reliability in daily labeling operations.

Driver required for installation:[Download driver here](#)

The Gilford GL820D provides dependable performance in a compact format, making it a cost-effective solution for professional labeling applications.

Technical Specification Matrix

Header

Manufacturer	Gilford
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Design

Product colour	White
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Printing

Print technology	Direct Thermal
Colour	No
Maximum resolution	203 dpi
Print speed	152 mm/sec
Printing colours	Black
Maximum printing width	108 mm

Paper handling

Maximum label width	116 mm
Supported paper width	25 - 118 mm
Maximum roll diameter	101.1 mm
Maximum label length	1778 m
Media thickness	0.06 - 0254 mm

Core diameters supported	25.4 mm (1")
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Performance

Page description languages	DPL, EPL, TSPL, ZPL
Internal memory	8 MB
Flash memory	4 MB
Number of fonts	8
Built-in barcodes	AZTECCODE, CODABAR (NW-7), Code 11, Code 128 (A/B/C), Code 39, Code 93, Data Matrix, EAN128, EAN13, EAN8, GS1 DataBar, Interleaved 2/5, MaxiCode, MSI, PDF417, PLESSEY, QR Code, UPC-A
Tape type	Continuous, gap, black mark, fan-fold

Ports & interfaces

Connectivity technology	Wired and Wireless
Ethernet LAN	No
Bluetooth	Yes
USB port	Yes

Power

Power consumption (printing)	60 W
AC input voltage	100 to 240 V
AC input frequency	50 to 60 Hz
AC adapter output current	2.5 A

Packaging content

Cables included	AC, USB
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System requirements

Windows operating systems supported	Windows XP and later
Mac operating systems supported	macOS
Mobile operating systems supported	Android, iOS
Linux operating systems supported	Linux

Operational conditions

Operating relative humidity (H-H)	25 to 85 %
Operating temperature (T-T)	5 to 45 °C

Weight & dimensions

Width	215 mm
Depth	178 mm
Height	155 mm
Weight	1350 g