



4 06081324019

BAR-CODE/RFID PRINTERS BUYER'S GUIDE

Whether you use them for asset-tracking, inventory management, point-of-sale, or warehouse management applications, bar-code/RFID printers play an important role in your supply chain. To help narrow the choices, we've scanned the market to offer you some of the hottest printers available today.

Citizen Systems ▼

CMP-10 high-security mobile printer

The first wireless thermal printer to combine high-security features with visually rich functionality to accommodate mobile commerce.

STANDOUT FEATURE: Measuring only 116 x 90 x 51mm and weighing less than 12 ounces, the CMP-10 can be taken anywhere at a moment's notice.

ADDITIONAL FEATURES: The CMP-10 utilizes a long-life lithium-Ion battery supplying up to 16 hours of active run time on a single charge. Its triple interface provides complete connectivity with Serial, IrDA, and Bluetooth options. Other design elements include an integrated magnetic stripe reader, and a built-in metal belt clip for on-the-spot credit card transactions.



ADDITIONAL FEATURES: Menu-driven LCD control for easy setup without a computer; real-time clock; large roll capacity for high-volume applications and continuous printing; near-edge tearing without forward and backward label movement.

www.cognitive.com • 800-451-9874



IBM ▼

InfoPrint 6700 M40 with RFID capability

The InfoPrint 6700 M40 thermal printer is designed for small and medium-sized businesses, as well as large enterprises with mid-volume requirements for reliability, flexible media handling, bar-code support, and an upgrade path to RFID.

STANDOUT FEATURE: Includes remote-management features optimizing availability. With IBM's Print Management Utility, users can remotely check the system's status, perform diagnostics, and change or reload configuration settings, enabling high availability for mission-critical applications.

ADDITIONAL FEATURES: A wide selection of field upgradeable options, including RFID. The M40 also offers PXML integration with IBM WebSphere, providing the ability to centralize management of printer and reader devices in the warehouse.

PRINT SPEED: Exact speed varies depending on document complexity, system configuration, software application, driver, and printer state.

www.ibm.com/printers/thermal/M40
800-358-6661



APPLICATION: Point-of-sale use for a variety of businesses including retail, and food and beverage, where increased security is a critical factor. Best for deliveries requiring mobile receipts, delivery slips, ticketing, and credit/debit transactions.

www.citizen-systems.com • 310-781-1460

Cognitive Solutions

Compact industrial bar-code and label printers

High-performance thermal label printers that bridge the gap between mid-range and desktop printers.

PRINT SPEED & CAPACITY: 6- or 8-inch-per-second print speeds and fast "first label print." The all-metal mechanism prints up to 10,000 labels a day.

MEMORY: 16 MB

STANDOUT FEATURE: One of the first printers to be fully compliant with the European Union directive on Waste Electric and Electronic Equipment (WEEE) and the equivalent domestic legislation that implements the Restriction of Hazardous Substances (RoHS).



Intermec ▼ PA30 print engine

A high-performance applicator print engine designed to increase label placement accuracy and productivity in demanding 24/7 print-and-apply applications.

■■■■ **RFID:** Easily upgradeable to RFID with Intermecc's IM4 RFID reader module.

■■■■ **STANDOUT FEATURE:** With its extra input/output receptacle, the PA30 can execute user-defined programs, eliminating the need for a PC.

■■■■ **ADDITIONAL FEATURES:** Flexible connectivity enables the use of up to seven wired and wireless interfaces, simultaneously allowing the PA30 to issue commands to production line machinery, conveyors, and other printers, as

■■■■ **LABEL SIZE:** As small as .75 inches wide and .75 inches long, up to a maximum of 4 inches wide and 24 inches long.

■■■■ **PRICE:** \$1,495; replacement ink cartridges are \$47.95. Price includes everything a user needs to get started printing labels: the printer, full-color ink cartridge, USB cable, AC adapter, NiceLabel SE, Primera Edition label design software, operator's manual, and sample roll of high-gloss paper label stock.

■■■■ **BAR CODES:** All common bar codes - UPC, EAN, Code 39, Code 128 and 2D bar codes such as PDF417 - are included in the NiceLabel SE software.

.....
www.primeralabel.com • 800-797-2772



well as access information directly from the network host. The PA30 is fully programmable and not restricted by printer command language.

■■■■ **PRINT SPEED & SIZE:** Up to 12 inches per second, from first to last label; 4-inch print width with left-hand orientation.

■■■■ **RESOLUTION:** Interchangeable 203 or 300 dpi resolution print heads.

.....
www.intermec.com • 425-348-2600

Primera LX400 color label printer for short-runs

An inkjet-based printer designed to print short-run, full-color labels at up to 4800-dpi print resolution. The LX400 prints full-color photos, text, graphics and bar-code labels. Printed labels are virtually scratchproof and waterproof.

■■■■ **APPLICATIONS:** Short runs of primary product and box labels. Also prints labels on demand for photo stickers, premium items, and hazardous materials.

Printronix ▼ SL4M UHF RFID printer/encoder

The first mid-range, industrial-grade metal printer/encoder designed for global Class 1 Gen 2 ultra-high frequency RFID applications. It is interoperable with Printronix's MP2 family of SL5000r RFID printers and SLPA8000r RFID printer applicators.

■■■■ **STANDOUT FEATURE:** The SL4M's advanced tag calibration allows users to experiment with new tags and inlays, and deplete existing media inventory of non-standard tag positions.

■■■■ **ADDITIONAL FEATURES:** The SL4M can integrate seamlessly into almost any bar-code printing environment with support for six printer languages.

■■■■ **RESOLUTION:** Direct XML printing for either 203- or 305-dpi resolution.

■■■■ **MEMORY:** 32MB RAM and 8MB Flash for fast processing and label storage.

■■■■ **PRICE:** Base price is \$3,695; regional pricing varies based on currency fluctuation.

.....
www.primtronix.com • 800-665-6210





SATO America Inc. ▲
GL4e series RFID-ready printer for medium-duty industrial applications

This printer offers a field-upgradeable UHF RFID option; a printer management utility; and an Online Bar-Code Verifier option that validates bar-code scanability at point of print.

STANDOUT FEATRE: The first RFID printer in its class to provide extensive support to encoding Class 1 Gen 2 tags. It uses new near-field antenna technology to encode precisely to the position on the label that guarantees optimum read performance.

ADDITIONAL FEATURES: Allows users to economically print bar-code labels now, and seamlessly incorporate RFID encoding capabilities as future needs change. The printer also meets UHF frequency standards worldwide for global implementation.

RESOLUTION: Features an "automatic detection system" to conveniently switch between 203-dpi and 305-dpi print resolution.

REMOTE CONTROL: Functions as a stand-alone printer, but with the Java-based SATOnet CONNECT software option, end users can remotely control and monitor all printers on the network, even worldwide. With this tool, it is possible to manage mission-critical applications in real time.

www.satoamerica.com • 704-644-1650



printheads free of dust and debris throughout production, eliminating the need for manual cleaning.

ADDITIONAL FEATURES: The intuitive CLARiTY touch-screen interface provides a simple and secure way to change images in seconds, get on-board help information, or view the current image on the WYSIWYG display. Users can prepare and preview the next job while running the current image, monitor performance, or carry out diagnostics without having to halt the line.

THINK INK: The user interface displays ink-use monitoring and low-ink warnings. Without stopping production, users can add new ink simply and cleanly with sealed, non-pressurized containers. All ink used within the maintenance process is automatically recycled and filtered for re-use with no waste or spillage, ensuring a clean operating area and low ink consumption, with maximum uptime between ink refills.

www.videojet.com • 800-843-3610

Zebra Technologies ▼
R110Xi and R170Xi RFID printer/encoders
 High-performance UHF EPC multi-protocol printer/encoder models.

APPLICATION: For on-demand printing and encoding of smart labels and RFID tags.

LABEL SIZE: 4-inch and 6-inch print widths.

STANDOUT FEATURE: The printer/encoders are firmware upgradeable to support new protocols, ensuring that users can seamlessly upgrade to future RFID protocols as needed.

ADDITIONAL FEATURES: The units support XML encoding for seamless integration into enterprise systems; automatic inlay position calibration for easier smart label formatting; program position for flexibility of transponder placement; and multiple power levels for precisely encoding small labels.

NEWEST ADDITION: The R110Xi HF RFID tabletop printer/encoder for high-volume, high-frequency (13.56 MHz) RFID tagging.

www.rfid.zebra.com • 847-423-0442



Videojet
2330, 2310 large-character ink jet printers

The 2330 and 2310 printers provide perfect and repeatable high-quality characters as large as 2.75 inches and 0.66 inches, respectively.

APPLICATION: On-line printing on secondary packaging such as corrugated boxes and cases.

STANDOUT FEATURE: For maximum uptime, a patented automatic self-

cleaning and self-maintenance system continuously keeps

