

RUGGED • FLEXIBLE • AFFORDABLE

PRINTRONIX®  
LINE MATRIX PRINTERS  
**P8000/P8000PLUS**



**PrintNet®**  
**-enterprise**  
POWERFUL REMOTE PRINTER MANAGEMENT

 **OpenPrint.**  
PDF AND POSTSCRIPT PRINTING

[www.printronix.com](http://www.printronix.com)

# PRINTRONIX®

## P8000/P8000PLUS

P8000 Series Printers combine unmatched industrial durability and ultra-low operating cost with SmartRibbon® technology for superior print quality and optimized ribbon life. P8000 Plus models deliver sharper text & barcode definition and offer optional PDF & PostScript support for compatibility with any application system.



## RUGGED

- Extremely high maximum monthly workload to meet & exceed the most demanding print requirements
- Dependable operation in harsh environments withstanding humidity, extreme temperatures, and airborne contaminants
- Durable sheet metal cabinetry and sealed electronic componentry



## FLEXIBLE

- Media flexibility including multi-part, wide format, labels, card stock, and recycled media
- Optional OpenPrint functionality offers ease of connectivity to ERP or WMS applications generating PDF or PostScript output
- Flexible connectivity with standard support for Ethernet 10/100BaseT, USB 2.0, and Serial RS-232



## AFFORDABLE

- Ultra-low consumables cost per page is around 1/5th that of laser while consuming less energy and generating far less consumables waste
- Powerful remote management for printer configuration, firmware downloads, and diagnostics
- SmartRibbon® technology enables adaptive ribbon speed control for consistent high-quality output and optimized ribbon life

## 5 Reasons

# Why Top Enterprises Around the World Rely On Printronix Line Matrix Printers

Printronix Line Matrix Printers are purpose built for industrial/commercial environments that demand unwavering reliability, consistent high-volume output, and the lowest possible operating cost. With the addition of SmartRibbon® technology, print quality is both superior and more consistent.

Here are the five reasons to consider the latest generation of Line Matrix printers:

### 1 Lowest Cost of Ownership

- The average lifespan of a line matrix printer is 7 to 10 years as compared to only 3 years for laser printers.
- Average cost per page is around 1/5th of laser printers.
- SmartRibbon® technology boosts cartridge yield by up to 5% while delivering more consistent print quality throughout the life of the ribbon, reducing overall consumable costs.
- As print volume increases, consumable savings grow dramatically.
- Cartridge ribbons give users up to 20% improvement in consumable cost per page over spool type ribbons used by legacy line printers.

### 2 Productivity

- Line matrix printers deliver unmatched up-time and reliability.
- Continuous forms printing helps preserve document integrity across multi-page and multipart jobs.
- PrintNet Enterprise® enables remote monitoring and management of all networked printers for optimal fleet performance.



### 3 Reliable Performance in Any Environment

- Line Matrix printers perform reliably in non-climate controlled environments where temperature, humidity and airborne contaminants cause form feeding and print quality issues for other print technologies.

### 4 Application Adaptability

- Optional OpenPrint™ functionality offers ease of connectivity to ERP or WMS applications generating PDF or PostScript output (P8000 Plus)
- Independent Software Vendors provide document design software that natively supports the Printronix language for printing graphics, text and barcodes.
- Line Matrix remains the best technology for printing multi-part forms, oversize media, labels, card stock, and other non-typical media types.

### 5 Low environmental impact

- Line Matrix Printers consume considerably less energy than laser printers.
- Throughout their life span, Line Matrix Printers will generate far less landfill waste from consumables, packaging and printer hardware.
- Cartridge ribbons emit none of the fine particulate emissions generated by laser printers.



TRANSPORTATION

MANUFACTURING

DISTRIBUTION

FOOD & BEVERAGE

AUTOMOTIVE

# PRINTRONIX®

## LINE MATRIX PRINTERS

### P8000/P8000PLUS CABINET

The flagship of the series, the P8000 Cabinet models are the printers of choice when quiet operation and/or high-speed performance is paramount.

- Acoustically sealed enclosure produces less noise emissions than most laser printers
- Unmatched reliability and tolerance for a wide range of office and industrial environments
- Available in 500, 1000, 1500 and 2000 LPM speeds
- P8000 Plus Models — P8C15 & P8C20 — deliver improved print quality and offer optional OpenPrint PDF & PostScript functionality.



|                                                |                  |                  | P8000 PLUS       |                  |                 |
|------------------------------------------------|------------------|------------------|------------------|------------------|-----------------|
| PRINTER MODEL                                  | P8C05            | P8C10            | P8C15            | P8C20            |                 |
| FEATURES & OPTIONS                             |                  |                  |                  |                  |                 |
| PRINTNET REMOTE PRINTER MANAGEMENT             | STANDARD         | STANDARD         | STANDARD         | STANDARD         |                 |
| INTELLIGENT RIBBON LIFE MONITOR                | STANDARD         | STANDARD         | STANDARD         | STANDARD         |                 |
| BLACK BACK FORMS PAPER OUT SENSOR              | OPTION           | OPTION           | OPTION           | OPTION           |                 |
| QUICK CHANGE MEMORY CARD                       | OPTION           | OPTION           | OPTION           | OPTION           |                 |
| OPENPRINT PDF & POSTSCRIPT SUPPORT             |                  |                  | OPTION           | OPTION           |                 |
| DIMENSIONS & WEIGHT                            |                  |                  |                  |                  |                 |
| DIMENSION                                      | HEIGHT           | WIDTH            | DEPTH            | PRINTER WEIGHT   | SHIPPING WEIGHT |
| IMPERIAL                                       | 40.5"            | 27"              | 29"              | 200 lbs          | 265 lbs         |
| METRIC                                         | 1028.7 mm        | 685.8 mm         | 736.6 mm         | 90.7 kg          | 120.2 kg        |
| ENVIRONMENTAL NOISE                            |                  |                  |                  |                  |                 |
| ACOUSTIC NOISE (DBA) PER ISO 7779              | 50               | 50               | 52               | 55               |                 |
| PRINTER CONFIGURATION                          |                  |                  |                  |                  |                 |
| PRINT SPEED (LINES PER MINUTE)                 | UPPER/LOWER CASE | UPPER/LOWER CASE | UPPER/LOWER CASE | UPPER/LOWER CASE |                 |
| HIGH SPEED (DRAFT)                             | 500/428          | 1000/856         | 1500/1289        | 2000/1700        |                 |
| DATA PROCESSING                                | 375/300          | 750/600          | 1125/900         | 1500/1200        |                 |
| NEAR LETTER QUALITY                            | 200/154          | 400/306          | 600/459          | 800/615          |                 |
| GRAPHICS PRINT SPEED INCHES / (MM) PER MINUTE  | IPM / (MM)       | IPM / (MM)       | IPM / (MM)       | IPM / (MM)       |                 |
| 60 X 48 DPI                                    | 63 (1600)        | 125 (3175)       | 187 (4750)       | 250 (6350)       |                 |
| 60 X 72 DPI                                    | 42 (1067)        | 83 (2108)        | 127 (3226)       | 167 (4242)       |                 |
| 90 X 96 DPI                                    | 21 (533)         | 42 (1067)        | 61 (1549)        | 83 (2108)        |                 |
| PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND | IPS / (MM)       | IPS / (MM)       | IPS / (MM)       | IPS / (MM)       |                 |
| SPEED INCHES / (MM) PER SECOND                 | 12 (305)         | 20 (508)         | 25 (635)         | 39 (991)         |                 |

# P8000 OPEN PEDESTAL

The P8000 Open Pedestal is the most cost effective choice for environments where noise is not a concern.

- Smaller footprint with easy access to forms retrieval
- Preferred choice for manufacturing and transportation environments
- Available in 500 and 1000 LPM speeds



| PRINTER MODEL                                  |          |          | P8P05            |            | P8P10            |  |
|------------------------------------------------|----------|----------|------------------|------------|------------------|--|
| FEATURES & OPTIONS                             |          |          |                  |            |                  |  |
| PRINTNET REMOTE PRINTER MANAGEMENT             |          |          | STANDARD         |            | STANDARD         |  |
| INTELLIGENT RIBBON LIFE MONITOR                |          |          | STANDARD         |            | STANDARD         |  |
| LOW REAR PAPER TRAY                            |          |          | STANDARD         |            | STANDARD         |  |
| BLACK BACK FORMS PAPER OUT SENSOR              |          |          | OPTION           |            | OPTION           |  |
| HIGH REAR PAPER TRAY                           |          |          | OPTION           |            | OPTION           |  |
| ACOUSTIC SHROUD                                |          |          | OPTION           |            | OPTION           |  |
| QUICK CHANGE MEMORY CARD                       |          |          | OPTION           |            | OPTION           |  |
| DIMENSIONS                                     |          |          |                  |            |                  |  |
| DIMENSION                                      | HEIGHT   | WIDTH    | DEPTH*           | PRINTER WT | SHIPPING WT      |  |
| IMPERIAL                                       | 35.9"    | 25.8"    | 29.1 / 19.1"     | 115 lbs    | 165 lbs          |  |
| METRIC                                         | 911.8 mm | 655.3 mm | 739.1 / 485.1 mm | 52.1 kg    | 74.8 kg          |  |
| * With Basket / Without Basket                 |          |          |                  |            |                  |  |
| ENVIRONMENTAL NOISE                            |          |          |                  |            |                  |  |
| ACOUSTIC NOISE (DBA) PER ISO 7779              |          |          | 62               |            | 65               |  |
| PRINTER CONFIGURATION                          |          |          |                  |            |                  |  |
| PRINT SPEED (LINES PER MINUTE)                 |          |          | UPPER/LOWER CASE |            | UPPER/LOWER CASE |  |
| HIGH SPEED (DRAFT)                             |          |          | 500/428          |            | 1000/856         |  |
| DATA PROCESSING                                |          |          | 375/300          |            | 750/600          |  |
| NEAR LETTER QUALITY                            |          |          | 200/154          |            | 400/306          |  |
| GRAPHICS PRINT SPEED INCHES / (MM) PER MINUTE  |          |          | IPM / (MM)       |            | IPM / (MM)       |  |
| 60 X 48 DPI                                    |          |          | 63 (1600)        |            | 125 (3175)       |  |
| 60 X 72 DPI                                    |          |          | 42 (1067)        |            | 83 (2108)        |  |
| 90 X 96 DPI                                    |          |          | 21 (533)         |            | 42 (1067)        |  |
| PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND |          |          | IPS / (MM)       |            | IPS / (MM)       |  |
| SPEED INCHES / (MM) PER SECOND                 |          |          | 12 (305)         |            | 20 (508)         |  |

# P8000 ZERO TEAR

The P8000 Zero Tear is intended for customers printing expensive multi-part forms or serialized documents.

- Print on-demand, single form tear-off usability
- Open Pedestal footprint with tractors below the print line to allow for zero forms waste in-between tear-offs
- Available in 500 and 1000 LPM speeds



| PRINTER MODEL                                  |           | P8Z05    |                  | P8Z10            |             |
|------------------------------------------------|-----------|----------|------------------|------------------|-------------|
| FEATURES & OPTIONS                             |           |          |                  |                  |             |
| PRINTNET REMOTE PRINTER MANAGEMENT             |           | STANDARD |                  | STANDARD         |             |
| INTELLIGENT RIBBON LIFE MONITOR                |           | STANDARD |                  | STANDARD         |             |
| HIGH REAR PAPER TRAY                           |           | STANDARD |                  | STANDARD         |             |
| BLACK BACK FORMS PAPER OUT SENSOR              |           | OPTION   |                  | OPTION           |             |
| QUICK CHANGE MEMORY CARD                       |           | OPTION   |                  | OPTION           |             |
| DIMENSIONS                                     |           |          |                  |                  |             |
| DIMENSION                                      | HEIGHT    | WIDTH    | DEPTH*           | PRINTER WT       | SHIPPING WT |
| IMPERIAL                                       | 42.04"    | 25.8"    | 31.9 / 19.1"     | 145 lbs          | 190 lbs     |
| METRIC                                         | 1067.8 mm | 655.3 mm | 810.2 / 485.1 mm | 66 kg            | 86 kg       |
| * With Basket / Without Basket                 |           |          |                  |                  |             |
| ENVIRONMENTAL NOISE                            |           |          |                  |                  |             |
| ACOUSTIC NOISE (DBA) PER ISO 7779              |           |          | 64               | 68               |             |
| PRINTER CONFIGURATION                          |           |          |                  |                  |             |
| PRINT SPEED (LINES PER MINUTE)                 |           |          | UPPER/LOWER CASE | UPPER/LOWER CASE |             |
| HIGH SPEED (DRAFT)                             |           |          | 500/428          | 1000/856         |             |
| DATA PROCESSING                                |           |          | 375/300          | 750/600          |             |
| NEAR LETTER QUALITY                            |           |          | 200/154          | 400/306          |             |
| GRAPHICS PRINT SPEED INCHES / (MM) PER MINUTE  |           |          | IPM / (MM)       | IPM / (MM)       |             |
| 60 X 48 DPI                                    |           |          | 63 (1600)        | 125 (3175)       |             |
| 60 X 72 DPI                                    |           |          | 42 (1067)        | 83 (2108)        |             |
| 90 X 96 DPI                                    |           |          | 21 (533)         | 42 (1067)        |             |
| PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND |           |          | IPS / (MM)       | IPS / (MM)       |             |
| SPEED INCHES / (MM) PER SECOND                 |           |          | 12 (305)         | 20 (508)         |             |



# High-Powered Remote Printer Management



## CONTROL YOUR ENTIRE PRINTING NETWORK FROM ANYWHERE

Achieve higher efficiency and improve your company's productivity with PrintNet Enterprise™ remote printer management software. PrintNet Enterprise is a valuable time-saving tool for your mission critical operation.

### PRINTNET ENTERPRISE

Total Control. Placing your enterprise-wide print operation at your fingertips.

### PRINTNET FUNCTIONAL BENEFITS

| PROBLEM                                                                                                                      | PRINTNET SOLUTION                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Downtime and productivity loss due to lack of visibility to printer and ribbon status of remotely networked devices.         | <b>DASHBOARD VIEWER:</b><br>Real-time dashboard visibility to printer and ribbon status for all networked printers.                                                                                                                                              |
| Downtime caused by inability to receive alerts when printers are down.                                                       | <b>PROACTIVE ALERT NOTIFICATION:</b><br>Email and/or SMS alerts are immediately sent to the appropriate individual (based on alert class) when a printer is down. Alerts are even sent if a printer is mistakenly unplugged or disconnected from the network.    |
| Inefficient and time consuming process for configuring printers.                                                             | <b>CONFIGURATION EDITOR:</b><br>Ability to quickly & easily configure up to all 8 custom configurations using a simple on-screen GUI.                                                                                                                            |
| Inability to configure or update multiple printers simultaneously, resulting in excessive helpdesk involvement and downtime. | <b>FILE DOWNLOAD:</b><br>Ability to download configuration files, firmware updates and printer resources to multiple printers simultaneously, grouped by location or function, thereby ensuring commonality while greatly reducing expense and potential errors. |
| Inability to quickly discern configuration differences from factory settings when installing & configuring new printers.     | <b>FACTORY SETTINGS DIFFERENCES:</b><br>Immediate visibility to the configuration settings that differ from factory.                                                                                                                                             |
| Time and expense associated with troubleshooting difficult/complex issues.                                                   | <b>JOB CAPTURE:</b><br>The ability to remotely capture data being sent to the printer, and view it in a hex editor. This function can greatly reduce the time to troubleshoot issues resulting from improperly formatted data, etc.                              |
| Difficulty walking users through op panel key presses over the phone due to inability to remotely control the printer.       | <b>VIRTUAL OP PANEL:</b><br>Allows for full remote control of a networked printer via the use of a virtual op panel that is identical in function/appearance to the panel at the printer.                                                                        |
| Time required to print & scan configuration settings (when needed by helpdesk support to assist with trouble shooting).      | <b>INFORMATION CAPTURE:</b><br>Provides the ability to immediately view & save a digital copy of the error log and configuration settings.                                                                                                                       |
| Downtime resulting from operators manipulating printer settings via op panel.                                                | <b>LOCK/UNLOCK MENUS UTILITY:</b><br>Allows administrator to hide menus to prevent unwanted access from the printer op panel.                                                                                                                                    |
| Inability to reboot printer remotely.                                                                                        | <b>REBOOT PRINTER UTILITY:</b><br>Printer can be rebooted remotely without requiring any intervention from local operators.                                                                                                                                      |
| No efficient method of quickly testing different formats on a printer.                                                       | <b>MACRO UTILITY:</b><br>Allows for job capture format files to be sent to the printer without using host or application resources.                                                                                                                              |
| Inability to view printer status from a PC that doesn't have PrintNet installed on it.                                       | <b>REMOTE PRESENCE:</b> The ability to remotely view printer status, view current configuration and launch a printer webpage from any windows browser.                                                                                                           |

### PRINTNET WEBPAGE

Printer Management Made Simple. You now have access and control of your printer through any internet browser. Capabilities include: Full configuration of printer menus, including uploading and downloading of saved configurations from your PC; Printer status monitoring with real-time updates; Diagnostics capabilities including job capture and firmware download.



# OpenPrint™

ORACLE

SAP

LINUX

WINDOWS

MANHATTAN

## Simplicity of PDF & Postscript Printing Combined with the Reliability and Low Operating Cost that Only Line Matrix can Deliver.

Printronix OpenPrint functionality can be enabled on P8000 Plus models via the OpenPrint Field Option Upgrade Kit. Once enabled, the OpenPrint functionality will allow P8000 Plus printers to receive PDF or PostScript output directly from any ERP, WMS, or Windows application. Print Quality is maximized through native PostScript fonts and PDF interpreters. Barcode quality is managed by way of Printronix SureScan technology which ensures linear barcodes are printed with optimal readability. 2D barcodes, including QR Code, can also be printed, however, readability is dependent on the size of the barcode.

OpenPrint functionality delivers an unprecedented opportunity to leverage the industrial strength of line matrix technology within virtually any application environment. For those who are still running on legacy systems, OpenPrint upgradeability provides investment protection. For those who have migrated, or are migrating, to a new application system, OpenPrint offers IT professionals the option of deploying a no-compromise printing solution designed to deliver the lowest possible operating cost and unmatched dependability across a broad range of office and industrial environments.



- **NO CODING REQUIRED:** Designing and modifying business forms is quick and easy. Use any GUI form design program. Even Microsoft Word!
- **GRAPHICS:** Prints graphics easily and with clarity. Forms can be designed and printed with enhancements such as non-grayscale logos, illustrations and graphics.
- **EMBEDDED LINEAR BARCODES:** Printronix Sure Scan technology replaces embedded barcodes with printer generated barcodes for optimal readability. 2D barcodes, including QR Codes, are printed with ease.
- **FONTS:** Prints the full range of fonts and sizes, from 6 point to poster size. Any font that is embedded into your file, whether PostScript or PDF, will reproduce with ease.

# P8000/P8000PLUS

## Product Specifications

### CONNECTIVITY/INTERFACES

|          |                                              |
|----------|----------------------------------------------|
| Standard | USB 2.0, Serial RS-232, Ethernet 10/100BaseT |
| Optional | Parallel - IEEE 1284 Centronics              |

### CHARACTER PITCH (CHARACTERS PER INCH)

10, 12, 13.3, 15, 16.7, 17.1, 18, 20

### LINE SPACING (LINES PER INCH)

6, 8, 9, 10.3, n/72, n/216

### GRAPHICS RESOLUTION

120 dpi Horizontal, 144 dpi Vertical (max)

### DOT SIZE

P8000: 16.7 mil (.42mm) / P8000 Plus: 13.6 mil (.35mm)

### EMULATIONS

|          |                                                                                                                                                                                                                                                                                                                                                                                      |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard | LP+ (Printronix P-Series, P-Series XQ, Serial Matrix, IBM ProPrinter III XL, Epson FX-1050), ANSI, PCL 2, TN5250/TN3270, Graphics Emulation PGL & VGL<br><br>TG: Tally ANSI (Tally Industrial Graphics), Genicom ANSI, Printronix P600 (QMS Code V) / P5000 / P6000 (PGL – TG Version), Epson FX-1180, IBM ProPrinter, MTPL (Tally Dot Matrix), HP2564C (PCL3), DEC LG01 (text only) |
| Optional | IPDS, DEC LG (text & graphics)<br>OpenPrint PDF & PostScript                                                                                                                                                                                                                                                                                                                         |

### CHARACTER SETS

99 plus character sets including ECMA Latin 1, DEC Multinational, IBM Code Page 437 and 850, OCR A, OCR B, UTF8 encoded Unicode

### CHARACTER STYLES

Bold, italic, double wide, double high, overstrike, underline, subscript and superscript

### FONTS

|           |                                                                      |
|-----------|----------------------------------------------------------------------|
| Standard: | NLQ Serif, NLQ Sans Serif, Data Processing, High Speed, OCR A, OCR B |
| Optional: | 35 PostScript Level 3 fonts (OpenPrint)                              |

### BARCODES

30 resident symbologies, including Code 39, EAN 8/13, UPC A/E, Intelligent Mail, Postnet, Royal Mail, Interleaved 2 of 5, PDF 417, Data Matrix, QR Code

### PRINTER SOFTWARE

Printronix PrintNet Enterprise remote management software, SAP device support

### PRINTER DRIVERS

Windows XP, 7, 8, 10, 11 ; Windows Server 2003, 2008/R2, 2012, 2016, 2019, 2022.  
Linux/UNIX; SAP

### POWER VOLTAGE

AC input range 100-240 VAC, 50/60 HZ

### MEMORY

256 MB Flash / 128 MB DDR2 DRAM



### POWER CONSUMPTION (TYPICAL)

|                         |           |
|-------------------------|-----------|
| • P8P05 / P8C05 / P8Z05 | 320 watts |
| • P8P10 / P8C10 / P8Z10 | 320 watts |
| • P8C15 (P8000 Plus)    | 475 watts |
| • P8C20 (P8000 Plus)    | 475 watts |

### MAXIMUM MONTHLY WORKLOAD (PAGES)

|                         |         |
|-------------------------|---------|
| • P8P05 / P8C05 / P8Z05 | 120,000 |
| • P8P10 / P8C10 / P8Z10 | 240,000 |
| • P8C15 (P8000 Plus)    | 360,000 |
| • P8C20 (P8000 Plus)    | 480,000 |

### POWER CONSUMPTION (STANDBY)

5 watts

### OPERATING TEMPERATURE

Environmental Operating Temperature 50° to 104° F, 10° to 40° C

### PAPER TYPE

Continuous, fan folded, edge-perforation

### PRINT WIDTH

13.6" (345mm)

### MEDIA COPIES

Up to 6 part

### MEDIA LENGTH

3" (76mm) to 12" (305mm)

### MEDIA THICKNESS MULTI-PART

0.025" (0.64mm) max

### MEDIA WIDTH

- 3" (76mm) to 17" (432mm)
- For Zero Tear models:
  - 7.5" (191mm) to 12" (305mm) for up to 4 part carbon and 6 part carbonless
  - 7.5" (191mm) to 16" (406mm) for up to 3 part carbon and 4 part carbonless

### MEDIA WEIGHT SINGLE PLY

- 15 lb. Bond to 100 lb. Tag (56 to 163 g/m2)
- For Zero Tear models:
  - 18 lb. Bond to 100 lb. Tag (67.7 to 163 g/m2) for forms up to 12" (305mm) in width
  - 20 lb. Bond to 100 lb. Tag (75.2 to 163 g/m2) for forms up to 16" (406mm) in width

### MTBF

10,000 hours at 25% duty cycle and 25% page density

### CONSUMABLE/RIBBONS

|                                                                                     |              |
|-------------------------------------------------------------------------------------|--------------|
| Standard Life Cartridge SmartRibbon ®                                               | 17,000 pages |
| Extended Life Cartridge SmartRibbon ®                                               | 30,000 pages |
| Page yield based on ISO LSA Page, 8.5" x 11" letter-size, approximately 5% coverage |              |



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