

RUGGED • FLEXIBLE • AFFORDABLE

PRINTRONIX®
LINE MATRIX PRINTERS
P8000H/P8000HPLUS



ZERO TEAR

CABINET

OPEN PEDESTAL

PrintNet®
-enterprise
POWERFUL REMOTE PRINTER MANAGEMENT

 **OpenPrint.**
PDF AND POSTSCRIPT PRINTING

www.printronix.com

PRINTRONIX®

P8000H/P8000HPLUS

P8000H Cartridge Printers deliver unmatched industrial durability and the lowest operating cost of virtually any print technology.

P8000H Plus models provide improved print quality and optional support for PDF & PostScript Printing, 802.1X, and IPv6.



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
- Optional support for 802.1X and IPv6 allow for compatibility with changing network environments



AFFORDABLE

- Ultra-low consumables cost per page is around 1/5th that of laser
- Powerful remote management for printer configuration, firmware downloads, and diagnostics
- Consumes less energy than laser, while generating far less consumables waste

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

In a world of expensive to maintain laser printers it is smart to consider the latest advancement in line matrix cartridge printing before choosing a print technology. Printronix has consistently pioneered new innovations to ensure this technology remains highly competitive and relevant for today's printing applications. Here are five reasons to consider the latest generation of Line Matrix Cartridge 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.
- Cartridge Ribbons deliver a cost per page that is around 1/5th that of laser toner cartridges.
- 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.
- Document integrity is more easily maintained with continuous forms media as opposed to cut sheets.
- PrintNet Enterprise, our remote printer management utility, delivers visibility and remote control for all network connected devices.

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 (P8000H 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.
- P8000H Plus models offer optional support for 802.1X and IPv6.

5 Environmentally Friendly

- 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

P8000H/P8000HPLUS CABINET

The flagship of the series, the P8000H 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
- P8000H Plus Models deliver improved print quality and offer optional OpenPrint PDF & PostScript functionality and support for 802.1X and IPv6.



PRINTER MODEL		P8000H PLUS			
		P8CH3	P8CH6	P8CH8	
FEATURES & OPTIONS					
PRINTNET REMOTE PRINTER MANAGEMENT		STANDARD	STANDARD	STANDARD	
INTELLIGENT RIBBON LIFE MONITOR		STANDARD	STANDARD	STANDARD	
BLACK BACK FORMS PAPER OUT SENSOR		OPTION	OPTION	OPTION	
REAR SLIDE OUT PAPER DRAWER		OPTION	OPTION	OPTION	
CABINET FRONT PAPER ACCESS		OPTION	OPTION	OPTION	
QUICK CHANGE MEMORY CARD		OPTION	OPTION	OPTION	
OPENPRINT PDF & POSTSCRIPT SUPPORT			OPTION	OPTION	
802.1X & IPV6 SUPPORT			OPTION	OPTION	
DIMENSIONS					
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	52	55	
PRINTER CONFIGURATION					
PRINT SPEED (LINES PER MINUTE)		DOUBLE BYTE CHARACTER			
LETTER QUALITY		177	315	390	
NEAR LETTER QUALITY		195	348	430	
NORMAL		221	390	485	
HIGH SPEED		258	460	570	
SUPER HIGH SPEED		340	603	745	
ULTRA HIGH SPEED		367	655	805	
PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND		IPS / (MM)	IPS / (MM)	IPS / (MM)	
SPEED INCHES / (MM) PER SECOND		20 (508)	25 (635)	32 (813)	

P8000H OPEN PEDESTAL

The P8000H 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



P8000H PLUS

PRINTER MODEL		P8PH3	P8PH6		
FEATURES & OPTIONS					
PRINTNET REMOTE PRINTER MANAGEMENT	STANDARD	STANDARD	STANDARD		
INTELLIGENT RIBBON LIFE MONITOR	STANDARD	STANDARD	STANDARD		
LOW REAR PAPER TRAY	STANDARD	STANDARD	STANDARD		
BLACK BACK FORMS PAPER OUT SENSOR	OPTION	OPTION	OPTION		
HIGH REAR PAPER TRAY	OPTION	OPTION	OPTION		
ACOUSTIC SHROUD	OPTION	OPTION	OPTION		
QUICK CHANGE MEMORY CARD	OPTION	OPTION	OPTION		
OPENPRINT PDF & POSTSCRIPT SUPPORT			OPTION		
802.1X & IPV6 SUPPORT			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)		DOUBLE BYTE CHARACTER			
LETTER QUALITY		177	315		
NEAR LETTER QUALITY		195	348		
NORMAL		221	390		
HIGH SPEED		258	460		
SUPER HIGH SPEED		340	603		
ULTRA HIGH SPEED		367	655		
PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND		IPS / (MM)	IPS / (MM)		
SPEED INCHES / (MM) PER SECOND		16 (406)	25 (635)		

P8000H ZERO TEAR

The P8000H 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



P8000H PLUS

PRINTER MODEL		P8ZH3	P8ZH6		
FEATURES & OPTIONS					
PRINTNET REMOTE PRINTER MANAGEMENT	STANDARD	STANDARD	STANDARD		
INTELLIGENT RIBBON LIFE MONITOR	STANDARD	STANDARD	STANDARD		
HIGH REAR PAPER TRAY	STANDARD	STANDARD	STANDARD		
QUICK CHANGE MEMORY CARD	OPTION	OPTION	OPTION		
OPENPRINT PDF & POSTSCRIPT SUPPORT			OPTION		
802.1X & IPV6 SUPPORT			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		66	69		
PRINTER CONFIGURATION					
PRINT SPEED (LINES PER MINUTE)		DOUBLE BYTE CHARACTER			
LETTER QUALITY		177	315		
NEAR LETTER QUALITY		195	348		
NORMAL		221	390		
HIGH SPEED		258	460		
SUPER HIGH SPEED		340	603		
ULTRA HIGH SPEED		367	655		
PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND		IPS / (MM)	IPS / (MM)		
SPEED INCHES / (MM) PER SECOND		16 (406)	25 (635)		



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.	DASHBOARD VIEWER: Real-time dashboard visibility to printer and ribbon status for all networked printers.
Downtime caused by inability to receive alerts when printers are down.	PROACTIVE ALERT NOTIFICATION: 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.	CONFIGURATION EDITOR: 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.	FILE DOWNLOAD: 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.	FACTORY SETTINGS DIFFERENCES: Immediate visibility to the configuration settings that differ from factory.
Time and expense associated with troubleshooting difficult/complex issues.	JOB CAPTURE: 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.	VIRTUAL OP PANEL: 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).	INFORMATION CAPTURE: 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.	LOCK/UNLOCK MENUS UTILITY: Allows administrator to hide menus to prevent unwanted access from the printer op panel.
Inability to reboot printer remotely.	REBOOT PRINTER UTILITY: Printer can be rebooted remotely without requiring any intervention from local operators.
No efficient method of quickly testing different formats on a printer.	MACRO UTILITY: 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.	REMOTE PRESENCE: 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 P8000H Plus models via the OpenPrint Field Option Upgrade Kit. Once enabled, the OpenPrint functionality will allow P8000H 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.
- **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.

802.1X AND IPV6

P8000H Plus Models allow for optional 802.1X and IPv6 support. As IT organizations migrate to 802.1X and/or IPv6 to take advantage of increased network

security, performance, and visibility, P8000H Plus printers can be upgraded to provide compatibility within the new network environment.

P8000H/P8000HPLUS

Product Specifications

CONNECTIVITY/INTERFACES

Standard	USB 2.0, Serial RS-232, Ethernet 10/100BaseT
Optional	Parallel - IEEE 1284 Centronics
Optional (P8000H Plus)	802.1X and IPv6

CHARACTER PITCH (CHARACTERS PER INCH)

Double Byte Characters	5, 6, 7, 7.5
Single Byte Characters	10, 12, 13.3, 15, 16.7, 17.1, 18, 20

LINE SPACING (LINES PER INCH)

6, 8, n/120, n/180

GRAPHICS RESOLUTION

180 dpi Horizontal, 180 dpi Vertical (max)

DOT SIZE

P8000H:	11 mil (0.28mm)
P8000H PLUS:	9 mil (0.23mm)

EMULATIONS

Standard	LQ1600K (Hanzi GB and BIG5) KS and KSSM (Hangul KS)
Optional	OKI (Hanzi GB only) OpenPrint PDF & PostScript

CHARACTER SETS

Hanzi GB	GB 18030-2000, UTF8 encoded Unicode
Hanzi BIG5	BIG5, CNS, TCA, WTEN, IBM 5550, TELETEXT, WANG, BIG5+, BIGE, UTF8 encoded Unicode
Hangul KS	Unified Hangul code, UHC (KSC 5601-1992), UTF8 encoded Unicode
KANJI SJIS	Shift JIS, UTF8 encoded Unicode

FONTS

Standard:	Letter Quality, Near Letter Quality, Normal, High Speed, Super High Speed, Ultra High Speed, SONG for Hanzi GB, MING for Big5
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Optional:	35 PostScript Level 3 fonts (OpenPrint)
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BARCODES

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

PRINTER SOFTWARE

Printronix PrintNet Enterprise remote management software

PRINTER DRIVERS

Windows XP, 7, 8, 10; Windows Server 2003, 2008/R2, 2012, 2016

POWER VOLTAGE

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

POWER CONSUMPTION (TYPICAL)

• P8PH3 / P8CH3 / P8ZH3	320 watts
• P8PH6 / P8CH6 / P8ZH6 (P8000H Plus)	475 watts
• P8CH8 (P8000H Plus)	475 watts

MAXIMUM MONTHLY WORKLOAD (PAGES)

• P8PH3 / P8CH3 / P8ZH3	80,800
• P8PH6 / P8CH6 / P8ZH6 (P8000H Plus)	157,200
• P8CH8 (P8000H Plus)	193,200



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 Ribbon	18,000 pages
Extended Life Cartridge Ribbon	34,000 pages
Page yield based on ISO LSA Page, 8.5" x 11" letter-size, approximately 5% coverage	



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