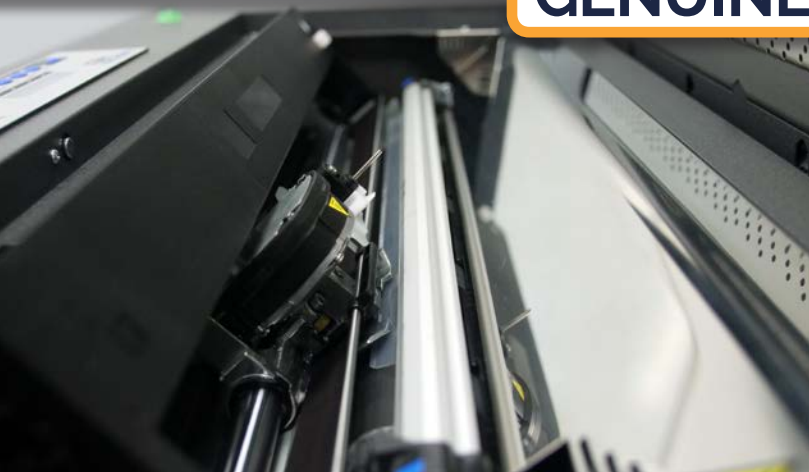# PRINTRONIX®

S828

SERIAL DOT MATRIX PRINTER

UNBREAKABLE / QUIET

GENUINE IBM IPDS

PRINTRONIX® S828

The unbreakable, IBM-compatible, quiet desktop print solution built to excel in the most rigorous office & industrial environments.

Your priority is running your business. Our priority is delivering & supporting industrial printing solutions that your business can count on, regardless of the environment or workload.

UNBREAKABLE

The S828 sets a new standard for the ultimate in rugged desktop reliability; building on the workhorse tradition of Printronix industrial printers which deliver maximum uptime, a low total cost of ownership, and reliable operation across a wide range of environments. In addition to heavy-duty 6-pin tractors for optimal forms feeding reliability, and industry leading printhead life, the most defining feature of the S828 is the highly functional & unbreakable metal construction designed to outlast any other printer in this category.

QUIET

At 54dBa the S828 delivers best in class acoustics. Around 50% quieter than leading competitors, it is unrivaled in noise reduction. The S828 also combines 800 cps print speed performance (@ 10 CPI) with a high function multi-lingual operator interface for efficient and intuitive operation.

PLUG & PLAY COMPATIBILITY

Time is money, and the ability to fully automate & customize forms handling will maximize user efficiency through eliminating key presses and expediting forms retrieval. For larger distributed environments, the S828 includes a powerful remote printer management utility to empower IT to view real-time status updates, remotely configure multiple printers, and to access a fully functional virtual operator panel. The S828 also supports a 2nd front feed forms path.

GENUINE IBM IPDS

For IBM environments, the S828 offers genuine IBM IPDS for absolute compatibility and functionality. In addition to standard Ethernet, USB, Parallel and Serial, the S828 supports ANSI 3.64 and the 18-pin emulations used by legacy IBM & Genicom printers to allow for plug & play compatibility without requiring driver or application changes.

HIGHLIGHTS:

>> **Heavy-duty with unbreakable metal construction enclosure**

>> **Lowest noise level in its class: 54dBA**

>> **Genuine IBM IPDS (optional)**

>> **Best in class 800M character printhead life**

>> **Extended ribbon life: 25M Characters**

>> **Heavy duty 6-pin tractors deliver superior form feed reliability on up to 8-part forms**

>> **Optional second front feed tractor**

>> **18 pin printer: 800 cps @ 10cpi**

>> **Fully automated and configurable zero-tear form feeding**

>> **High visibility attention light**

>> **Support for 18-pin emulations used by legacy IBM & Genicom printers**

>> **Powerful remote printer management**

>> **Standard Interfaces: parallel, serial, USB & Ethernet**

>> **Enclosed pedestal (optional)**

S828 Specifications

PRINT TECHNOLOGY

18-Pin serial dot matrix printer- 136 columns @ 10cpi

THROUGHPUT (ISO/IEC 10561 @ 10 CPI)

DIN Letter   Up to 660 PPH
Spreadsheet   Up to 450 PPH

(PPH = pages per hour)

THROUGHPUT (DRAFT MODE @ 10 CPI)

40 CPL   450 LPM
80 CPL   330 LPM
136 CPL   250 LPM

(CPL = characters per line / LPM = lines per minute)

PRINT SPEED @ 10 / 12 / 15 CPI

DP Mode   800 / 960 / 1200 CPS
DP Text   480 / 576 / 720 CPS
NLQ   232 / 278 / 348 CPS

(CPS = characters per second)

LINE LENGTH (NUMBER OF CHARACTERS)

10 CPI – 136   17.1 CPI – 233
12 CPI – 163   20 CPI – 272
15 CPI – 204   24 CPI – 326

(CPI = characters per inch)

MEDIA HANDLING

Front feed 6-pin tractor with jam sensor. Optional second front feed 6-pin tractor with jam sensor.

MEDIA SPECIFICATIONS

Media Type   Continuous form, front loading
Width   76 to 432 mm (3" to 17")
Length   78 to 610 mm (3" to 24")
Max Thickness   0.635mm (0.025")
Copies   1+7
Weight   Top form: 55 to 150 g/m^2
Attached Sheet   45 to 75 g/m^2

HORIZONTAL SPACING

10, 12, 15, 17.1, 20, 24 CPI & proportional

VERTICAL SPACING

6, 8, 12 lines per inch
3, 4, 6, 8, 12 lines per 30mm

GRAPHICS RESOLUTION (DPI)

Horizontal   60, 72, 80, 90, 120, 144, 240
Vertical   72, 144

(DPI = dots per inch)

FONTS

Draft, Courier, Gothic, OCR-A, OCR-B

BARCODES

Codabar, UPC-A, UPC-E, EAN-8, EAN-13, UPC/EAN ADD-ON 2 and 5, Code 2 of 5, Code39, Code128, Code11, Code93, CodeGP, CodeBCD, C25-3BAR, Postnet, MSI, Intelligent Mail barcode

MEMORY

Input buffer   128 Kb

CONNECTIVITY

Standard USB 2.0, Parallel, Serial RS232, Ethernet 10/100 (Optional IPDS)

RIBBON LIFE

Extended Life Ribbon: 25 Million Characters

PRINTHEAD LIFE

800 Million Character Yield

WORKLOAD

Pages per month (max. 4 hrs/day): 57,000

PHYSICAL DIMENSIONS & WEIGHT

Dimensions (LxWxH): 450 x 730 x 350 mm / 17.7 x 28.7 x 13.8"
Weight: 33 Kg / 72.6 lbs

POWER REQUIREMENT

100 - 240V, Auto Range, (60 Hz - 50 Hz)

RELIABILITY

MTBF: 20,000 hours

SOFTWARE

Remote Printer Management Utility

POWER CONSUMPTION

120W Printing, 30W Standby

OPERATING ENVIRONMENT

Temp   10° to 40.6°C (50° to 105°F)
Humidity   10% to 90% Relative Humidity
Storage Temp   -35° to 65°C (-31° to 149°F)
Humidity   5% to 95% Relative Humidity
Noise   <54dBA

DRIVERS

Win10 (32/64), Win8 (32/64), Win7 (32/64), WinServer2008 (32/64), Win2003 (32/64), WinNT, WinXP

EMULATION TYPES

Epson® FX Series, IBM® Proprinter III XL, IBM Personal Printer 2381, ANSI 3.64, S828 native commands

IPDS: IBM 4224, IBM 4230 and S828 native command

SPECIAL FUNCTIONS

Auto paper path switching via operator panel or software commands. Auto forms thickness adjust. Auto fanfold position for zero tear-off. Auto paper parking.

PRINTRONIX®

WHEN RELIABILITY COUNTS