



Serial Matrix Series

Serial Matrix 3800

Defining new standards of durability, performance and reliability for serial matrix printers.

The 3800 series offers a level of performance, durability and reliability normally associated with heavy duty line printers.

Defining Tough

The 3800 series has a unique construction reducing parts by 33%. With less parts to go wrong we put reliability and long life into the remaining parts. The 3800 series print head for example has almost twice the life of its major competitors. We made the 3800 series so easy to use that we reduced the need for operator interventions like changing paper paths. Its no wonder the 3800 series has received numerous industry awards and has become known as one of the toughest printers in its class.

Performance

Performance is one thing but sustaining it is another. The 3800 series is industrially rated. Designed for heavy duty high performance printing day in day out. The 3800 series is available in two performance levels 600 cps and 900 cps. With the capability to perform tasks normally associated with a line printer. The 3800 series can maintain its throughput when most of its competitors are reaching for the thermal throttle and slowing down.

Operational Excellence

The 3800 series is feature packed to help

you automate your printing and make the work flow easier. The dual tractor paths provide the ability to change print jobs without changing paper. The dual paths can also allow two boxes of the same paper to be used, so long overnight print runs do not run out of paper. Auto parking, auto loading, automatic top of form, zero tear, and four stored formats provide an easy to use package. The unique dual path features of the 3800 series are covered by a GENICOM patent. With an easy to use LCD menu, host control of paper paths and auto print head gap the operator will find the 3800 series an excellent companion.

Reliability

Reliability is often assumed with modern hi-tech products. But stop and think about an industrial printer in a harsh, dusty, dirty warehouse with temperatures fluctuating and operators in a hurry. This is what we built the 3800 series for and the accolade of industry awards reflects our achievement in providing a product suitable for mission critical printing.

Key Features

- **Dual tractor paths**
- **Outstanding performance**
- **Dependable reliability**
- **Barcodes & oversize text**
- **Industrial graphics**
- **Multipart Forms**
- **Forms Shear Option**



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Specifications at a glance

Serial Matrix 3800	3810S	3840EP	3870
Printing Technology	Serial Impact Dot Matrix	Serial Impact Dot Matrix	Serial Impact Dot Matrix
Print Head wires	18	18	18
Life (M Chars)	700	700	700
Print Speed (CPS)			
10 CPI Draft/NLQ	500/125	500/125	750/200
12 CPI Draft/NLQ	600/150	600/150	900/240
ECMA Throughput (PPH)			
Letter Draft	500	500	527
Spreadsheet Draft	327	327	391
Copies Front/bottom Tractor	1+5	1+5	1+7
Rear	N/A	1+5	1+5
Tractors	Bottom/Front	Bottom/Front & Rear	Bottom/Front & Rear
Acoustics	58	55	55
Power Consumption	Standby: 35 W Printing: 130 W	Standby: 35 W Printing: 130 W	Standby: 35 W Printing: 130 W
Duty Cycle (pages/month)	27,000	27,000	35,000
Emulations	Epson FX 286, IBM PPXL III; ANSI 3.64, DEC LA 210		
Graphics resolution Horizontal	60 to 400 dpi		
Graphics resolution Vertical	72 to 144 dpi		
Character Spacing (CPI)	10, 12, 13, 15, 17.1, 20 cpi, proportional		
Line Spacing (LPI)	3, 4, 6, 8, n/144		
Print Width (max)	13.6"		
Print Modes	Draft, NLQ, Superscript/Subscript, Bold, Underscore, Shadow Oversize (2 to 187 times)		
Fonts	Courier, Courier Italic, Gothic, Wide Gothic, Micro Gothic, OCRA/B		
Barcodes	(25 types) I/L 2 of 5, Bi Di 2 of 5, Code 39/11/93/128(A,B,C) EAN 2/5/8/13, Codabar a-t/b-n/c-*/d-e, UPC 2/5/A/E MSI		
Character sets	IBM Pc set 1/2; 15 Epson National sets, CP 437, 850, 851, 852, 853, 855, 860, 863, 864, 865, 866, 867, ISO 8859/1 - 9; Mazowia, Turkish, Kaminicky		
Paper Handling Cut Sheet	Single Document insertion		
Paper Dimensions Width	Tractor Feed 3 - 16" : Cut sheet 3.5 to 17.5"		
Paper Dimensions Length	24" Max ; Min 4" for Cut sheet		
Features	Zero Tear, Auto Top Of Form, Auto Park / Load, 4 stored formats, Auto Head Gap (with Manual Overrides)		
Interface - Connectivity	Parallel Centronics 36 pin ; Serial RS232 and EIA-422 25 pin (For IBM IPDS, SCS and IGP/QMS see 3900)		
Software Support	Windows 3.1, Win 95/98 NT 4.0 SAP R/3		
Input/download Buffer	64K fully adjustable in menu		
Reliability MTBF	10,000 hours @ 25% Duty Cycle		
MTTR	30 minutes		
Voltage	110 & 230 VAC +10% - 19% , 60 Or 50 Hz (Switchable)		
Temperature	10° to 40° C (operating) -35° to 65° C (storage)		
Humidity	20% to 90% non-condensing		
Weight	23.6 Kg		
Size	296 H X 683 W X 353 D		

Ordering Information

Printers And Supplies	Options		
3870 900cps Dual Path, Auto Gap	3S3870AAD82D3	Universal Pedestal	3A1213B01
3810S 600 CPS, manual gap, Single Path	3S3841AAA132C3	Paper Catch Tray for Pedestal	3A1213B05
3840EP 600 CPS, auto gap, Dual path	3S3841AAA022C4	Forms Rack	3A1213B06
Black Fabric 15 Million Characters 3810/3840 only	3A0100B02	Output Paper Rack	3A0113B01
Black Fabric 15 Million Characters Infrared 3810/3840 only	3A0100B03	Paper Basket	3A0120B01
Black Fabric 15 Million Characters 3870 only	3A1600B01	Paper Shear Kit with Catch Tray	3B1433B02
		European printer stand	399
		Quietized printer cabinet	SSH-8000

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