



SA-Series

High Performance, Compact, Easy-to-Use

Drive efficiency in your labeling and tagging processes by leveraging on our compact desktop printer series that delivers superior performance at a highly competitive cost.



Industry

- Retail
- Transportation & Logistics
- Manufacturing
- Wholesale
- Healthcare
- Warehouse

- Clothing Tag
- Retail Tag
- Shelf Labeling
- Patient Tracking
- Inventory Labeling
- Postal & Mailing
- Shipping & Receiving
- Document Labeling
- Parts Marking

Offering the print performance of industrial printers and the convenience of compact printers, **SA-Series** is ideal for you to enhance the efficiency of your labeling and tagging processes.



Features

Compact in size and high ribbon capacity

SA-Series saves space and allows for up to 300 meter ribbon capacity - which means lesser roll changes!

Flexible and versatile printer

Multiple communication interfaces and media sensor system delivers greater flexibility for diverse media and applications.

High performance and precise printing

Head-open switch initiates auto-calibration for more precise printing.

Easy to load, use and maintain

Ribbons and media are easy to load; printer's modular design allows easy maintenance.

GENERAL SPECIFICATIONS

PRINTER MODEL	SA408	SA408E	SA412	SA412E
Printing Method	Direct Thermal / Thermal Transfer			
Print Resolution	203dpi (8 dots/mm)		300dpi (12 dots/mm)	
Printing Speed	2~5ips(50.8~127mm/s)		1~4ips(25.4~101.6mm/s)	
Printing Length	Max 100" (2,540mm) / Min 0.2" (5mm)		Max 50" (1,270mm) / Min 0.2" (5mm)	
Printing Width	Max 4.1" (104mm)			
Programming Language	SEPL/SDPL (Option: SZPL)	SZPL, SEPL, SDPL		

HARDWARE SPECIFICATIONS

CPU	32 bit RISC Microprocessor			
Memory	8MB DRAM (5MB user available); 4MB Flash ROM (2MB user available)		8MB DRAM (5MB user available); 8MB Flash ROM (6MB user available)	
Communication Interface	IEEE1284, USB, RS232C (Baud rate: Max. 115200bps)	Ethernet, USB, RS232C (Baud rate: Max. 115200bps)	IEEE1284, USB, RS232C (Baud rate: Max. 115200bps)	Ethernet, USB, RS232C (Baud rate: Max. 115200bps)
Dimensions	273mm (L) x 225mm (W) x 185mm (H)			
Weight	2.1kg			
Electrical Requirements	Universal Switching Power Supply AC Input: 100~240V, 1.8A, 50~60Hz DC Output: 24V, 2.4A		Universal Switching Power Supply AC Input: 100~240V, 1.5A, 50~60Hz DC Output: 24V, 2.91A	
Environment Requirements	Operation Temperature: 40°F~100°F (4°C~38°C), 10%~90% non-condensing; Storage Temperature: -4°F~122°F (-20°C~50°C)			

CONSUMABLES SPECIFICATIONS

Media Type	Roll-Feed, Die-Cut, Continuous, Fan-Fold, Tags, Ticket in Thermal Paper or Plain Paper and Fabric Label			
Media	Max Width: 4.3" (110mm) Min Width: 1" (25.4mm) Thickness: 0.0025"~0.01" (0.0635 ~ 0.254mm) Max roll capacity (OD): 5" (127mm) / Core size: 1" (25.4mm) Max roll capacity (OD): 4.5" (114.3mm) / Core size: 0.5" (12.7mm) (optional) Max roll capacity (OD): 4.72" (120mm) / Core size: 1.5" (38.1mm) (optional)			
Ribbon	Ribbon roll – max OD: 2.6" (67mm) Ribbon Length: max 300m / Core size – ID: 1" (25.4mm) Ribbon Width: 1"~4" Wax, Wax/Resin, Resin (Ribbon wound ink-side out or ink-side in available)			
Sensors	Media gap & I-Mark sensor x 1 (movable) & Transmissive sensor x 1 (Centre fixed) / Head open switch / Ribbon end sensor			

FONTS/BARCODE SPECIFICATIONS

Fonts	Internal character sets standard / 5 alpha-numeric fonts from 0.049"H~0.23"H (1.25mm~6.0mm) Internal fonts are expandable up to 24x24 / 4 direction 0°~270° rotation / Soft fonts are downloadable			
1D Barcode	Code 39, UPC-A, UPC-E, Postnet, Code 128 subset A/B/C, Interleaved 2 of 5, Interleaved 2 of 5 with check sum, Interleaved 2 of 5 with human readable check digit, Code 93, Code 39 with check sum digit, MSI, EAN-8, Codabar, Code 11, EAN-13, Plessey, GS1 Data bar (RSS), Industrial 2 of 5, Standard 2 of 5, Logmars			
2D Barcode	MaxiCode, PDF417, Data Matrix (ECC 200 only), QR code, Composite codes, Aztec Barcode, Micro PDF417			

ACCESSORIES & OPTIONS

Optional Items	Cutter, Stacker, RTC Card			
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