

ISG™ S500 Thermal Printer



*ISG™ Summit Series S500 —
Durable, fast and versatile*

The Power of PAL™

Printer Application Language (PAL) is a dynamic, fully functional programming language that interprets and accepts existing data streams from a host system without host reprogramming. A custom PAL program can be prepared for each of your unique applications and then preloaded into your ISG Summit Series thermal printer.

PAL programs enable label printing by filling in the variable fields using your current data stream — allowing you to update legacy labels/wristbands with bar codes, lines, graphics or scaled fonts to meet new compliance standards.



The ISG™ Summit Series S500 thermal printer is one of the strongest and most durable printers in the industry. Available in both thermal transfer and direct thermal models, the S500 can print 203 dpi (both models) or 300 dpi (thermal transfer). With industrial strength features and high print capabilities, it is one of the best values in the market. The S500 printer is perfect for a variety of applications, including healthcare, retail, inventory, process control or shipping.

ISG Summit Series thermal printers feature Printer Application Language (PAL™). Now you don't need to get a different software-specific printer for every application in your facility. Replace your old dot-matrix, thermal, inkjet, laser, embosser or line printers with a PAL-enabled ISG Summit Series printer today.

Construction

- Innovative dual motor, gear drive concept handles high print volumes
- Clamshell design for easy loading of labels and ribbons
- Center justified media design with adjustable sensors
- Full 5" Outer Diameter (OD) roll media capacity

Standard Features

- Powerful and versatile "PAL" plus other popular emulations
- Parallel, serial, and USB ports
- Optional battery powered models
- Both 203 and 300 dpi models
- Internal LAN option
- Available models: S500 Thermal Transfer, S500 Direct Thermal



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PRINTER SPECIFICATIONS:

Printer Model	S500	Operation	
Print Speed	203 dpi, 2, 3, 4, 5 ips selectable. 2, 3 ips for peeler functions. 300 dpi, 2,3 ips	Environment	40° to 104° F (5° to 40°C)
Resolution	203 dpi (8 dots/mm) 300 dpi (12 dots/mm)	Storage	
Command Set	203 dpi: PAL, EZPL, DPL 300 dpi: PAL, EZPL	Environment	14° to 140° F (-10° to -60°C) humidity: 20-95%
Resident Fonts	San Serif and OCRB with smooth scaling	EMI and Safety	CE class B (EN60950, EN55022, EN55024, EN61000-3-2, EN61000-3-3), FCC class B, VCCI, US, CUL, TUV, C-Tick, T-mark (power supply only)
Font and Barcode Rotation	0, 90, 180, 270 degrees	External	KP-007 keyboard display unit, external LAN adapter
Bar Code Symbologies	Code 39, Code93, Code 128UCC, Code 128 subsets A.B.C., Codabar, Interleaved 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, RSS	Physical/Electrical	DT 9.5" (L) x 8.4 (W) x 6.5" (H) TT 12.4" (L) x 8.4" (W) x 7.4" (H) Power: 100-240V universal switching power supply (external adapter) Enclosure: Double-walled plastic
2-D Bar Code Symbologies	PDF-417, DataMatrix	Options	Label taken sensor, real time clock, buzzer, linerless printing capability, external roll mount (O.D. 8" with 1" core), Peeler, Cutter
Max Print Width	203 dpi 4.25" (108mm) 300 dpi 2,3 ips 4.09" (104mm)	Pack/Charger Specifications	Pack/Charger Input: 115/230 VAC, 60/50 Hz Pack/Charger Output: 22.8 VDC/1.8A Battery pack voltage: 22.8V Weight: 1.8Kg (battery assembly: 1.3Kg) Housing: 0.5Kg) Size: 30mm (W) x 210mm (H) x 260mm (L) Rated Capacity: 2.2Ah Storage Temperature: -40° to 122° F (-40° to -50°C) Discharge Temperature: -4° to 122° F (-20° to -50°C) Charge Temperature: -32° to 113° F (0° to 45°C)
Max Print Length	203 dpi 39.3" (999mm) 300 dpi 16.5" (419mm)	Pack/Charger Operation	Standby 8 hours and printing 2000 inches
Printing Method	Direct Thermal and Thermal Transfer or Direct Thermal	Accessories	Includes CD, Ribbon for TT, USB cable and quick start guide
Media Size	Width: 0.75-4.4" (19-118mm) Length: 0.4-39.3" (10-999mm) Length (without peel and cutter): 0.2-39.3" (6-999mm) Paper thickness: 0.06-0.25mm Roll Diameter: 5" Ribbon Width: 1"-4.3" (25.4-110mm) for thermal transfer		
Media Type	Label and Tag (Continuous, die-cut, fan-fold)		
Memory	Flash ROM (2MB), DRAM (2M bytes)		
Software	PAL Windows driver		
Interface	RS232 Parallel and USB		
Operation Panel	One push switch, one indicator LED		
Sensors	Label gap, reflective, Head open		

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