

# Affordable **Compact** Desktop Printers for Unrivalled Performance, Convenience & Versatility

Prints 4" Labels, Receipts, Wristbands and Tags



## CG4 Series

### INDUSTRY VERTICALS

- Healthcare
- Retail
- Transportation & Logistics
- Manufacturing
- Office

### APPLICATIONS

- Carton / Package Labelling
- Small Office Mailing
- Shelf-edge labelling
- Product Labelling
- Healthcare Specimen Labelling
- File Folder Labelling

### FEATURES

- Supports Input from Keypad
- 203 and 305dpi Print Resolution
- 4MB Flash Memory
- Thermal Transfer and Direct Thermal
- Anti-Microbial Casing
- Multiple Codepage Support
- Multiple Printer Language-Compatible Options
- Safety Top Cover Latch

### ACCESSORIES



#### Keypad

- Graphical LCD display
- Alphanumeric and one-touch function keys
- SD card supported
- Enables stand-alone printing (eliminates need to connect to a PC)



#### Dispenser

- Simplifies separation of labels from a backing paper for immediate label application



#### Cutter

- Precisely cut individual labels and tags
- Allows continuous printing and cutting of labels and tags

#### ▶ Standalone Capability Using Keypad

- SATO Keypad allows users to Format, Store, Input & Print without connecting to PC
- Label formats can be stored, and called on at time of printing

#### ▶ Flexible Use & Compatibility With Legacy Systems

- 2 Standard Communication Interface configurations: USB and RS232C; or USB and LAN; or USB and Parallel
- Parallel port allows printer to be connected to legacy systems

#### ▶ High Quality Printing

- Suitable for printing graphics and logos, 2D barcodes or patient's photo on wristbands

#### ▶ User-Friendly Operation & Maintenance

- Intuitive label mechanism design allows media loading in 3 simple steps: Drop-Load-Go
- User-friendly maintenance

The One-touch, tool-less print head release mechanism enables the print head to be quickly and easily replaced

Printer Platen Roller can be replaced without the need for any tools

#### ▶ Waste-Reducing

- Linerless kit option to print linerless labels, which come without liner or backing paper, therefore less paper waste

#### ▶ Print Labels with Date/Time Stamps Using Real-Time Clock Feature

#### ▶ Safe For Use

- Anti-microbial casing makes it suitable for applications in clean environments such as hospitals and in food preparation

#### ▶ Compatible

- Printer language options enables replacement of competitive printer models with minimal reprogramming of data streams

# General Specifications

CG4



| PRINTER MODEL             |   | CG408   | CG412  |
|---------------------------|---|---|--|
| PRINT SPECIFICATIONS      |   |   |  |
| Print Method              |   | Direct Thermal/Thermal Transfer   |  |
| Print Resolution          |   | 8 dots/mm (203dpi)  | 12 dots/mm (305dpi)  |
| Max Print Speed           |   | 100mm/sec (4ips)  |  |
| Max. Print Area           |   | (WxP): 104 x 300mm (4.09" x 11.81")   |  |
| CPU                       |   | 32 Bits RISC-CPU 64MHz  |  |
| Printer Body Memory       |   | Main Memory (Flash ROM): 4MB byte, SDRAM: 8MB byte  |  |
| MEDIA SPECIFICATIONS      |   |   |  |
| Sensor Type               |   | I-Mark Sensor (Reflection type), Label Gap Sensor (Transparent type)  |  |
| Media                     | Label Size  | Continuous  | L: 7 ~ 300mm (0.28" ~ 11.81"), With backing paper: 10 ~ 303mm (0.39" ~ 11.93")<br>W: 22 ~ 107mm (0.87" ~ 4.21"), With backing paper: 25 ~ 110mm (0.98" ~ 4.33")  |
|                           |   | Tear-Off  | L: 22 ~ 300mm (0.87" ~ 11.81"), With backing paper: 25 ~ 303mm (0.98" ~ 11.93")<br>W: 22 ~ 107mm (0.87" ~ 4.21"), With backing paper: 25 ~ 110mm (0.98" ~ 4.33") |
|                           |   | <b>Label without Adhesive</b>   |  |
|                           | Label Thickness   | Continuous  | L: 10 ~ 303mm (0.39" x 11.93"), W: 25 ~ 110mm (0.98" x 4.33")  |
|                           |   | Tear-Off  | L: 25 ~ 303mm (0.98 x 11.93"), W: 25 ~ 110mm (0.98" x 4.33")   |
|                           | Wind Direction  | Face-in/Face-out  |  |
| Media Roll Size           | Max external diameter: 128mm (5.04"), Paper core inner diameter: 40mm (1.57") |   |  |
| Ribbon Size               | Length  | Max 100m  |  |
|                           | Width   | 110mm +/- 0.5mm (4.33" +/- 0.002)   |  |
|                           | Wind Direction  | Face Out  |  |
| FONT/SYMBOLOGIES          |   |   |  |
| Standard Fonts            | Bitmap Fonts  | Alphanumerical and Symbol: WB (18x30 dot), WL (28x52 dot), XU (5x9 dot), XS (17x17 dot), XM (24x24 dot), XB (48x48 dot), XL (48x48 dot), OCR-A (15x22 dot), OCR-A (22x23 dot), OCR-B (20x24 dot), OCR-B (30x36 dot)   |  |
|                           | Rasterized Fonts  | CG Times, CG Triumvirate, CG Times Bold, CG Triumvirate Bold  |  |
| Barcode                   | 1D Barcode  | UPC-A/ UPC-E, EAN8/13, CODE39, CODE93, CODE128, GS1-128 (UCC/EAN128), CODABAR(NW-7), ITF, INDUSTRIAL 2of5, MATRIX 2of5, BOOKLAND, MSI, POSTNET, GS1 DATABAR (RSS)   |  |
|                           | 2D Barcode  | PDF417 (Ver2.4), MAXI Code (Ver3.0), QR Code, GS1 Data Matrix (ECC200)  |  |
| Composit Symbols          |   | EAN-13 Composite (CC-A/CC-B), EAN-8 Composite (CC-A/CC-B), UPC-A Composite (CC-A/CC-B), UPC-E Composite (CC-A/CC-B), GS1-128 Composite (CC-A/CC-B/CC-C), GS1 DataBar Composite (CC-A/CC-B), GS1 DataBar Truncated Composite (CC-A/CC-B), GS1 DataBar Stacked Composite (CC-A/CC-B), GS1 DataBar Stacked Omni-Directional Composite (CC-A/CC-B), GS1 DataBar Limited Composite (CC-A/CC-B), GS1 DataBar Expanded Composite (CC-A/CC-B), GS1 DataBar Expanded Stacked Composite (CC-A/CC-B) |  |
| Print Direction           |   | Character & Barcode: 0°, 90°, 180°, 270°  |  |
| COMMUNICATION INTERFACE   |   |   |  |
| Interface                 |   | USB (B Type) + RS-232C (D-SUB 9 Pin) Model, USB (B Type) + LAN (10BASE-T/100BASE-TX Auto Switching) Model, USB (B Type) + IEEE1284 Model  |  |
| Command                   |   | SBPL  |  |
| OPERATING CHARACTERISTICS |   |   |  |
| Power Requirements        | AC Adaptor  | Input Voltage: AC100V ~ 240V +/- 10%, Rated Input Voltage: AC100V / AV240V, Output Voltage: 19V   |  |
| Consumption Voltage       |   | At Peak: 50W, At Waiting: 2.5W  |  |
| Environment               | Operating   | 4 ~ 38°C / 30 ~ 80% RH (without condensing)   |  |
|                           | Storage   | -10 ~ 60°C / 15 ~ 85% RH (without condensing)   |  |
| Dimension                 |   | (WxDxH): 179 x 238 x 173mm (7.05" x 9.37" x 6.81") Except protrusion part   |  |
| Weight                    |   | DT: 1.7kg (3.5 lbs) TT: 1.9kg (4.2 lbs)   |  |
| OPTIONS                   |   | Cutter, Dispenser, RTC, Linerless Kit (without cutter), Keypad, Unwinder, SATO Label Gallery™   |  |
| MISCELLANEOUS             |   |   |  |
| Regulatory Approvals      |   | USA/CANADA: UL60950-1 (2001), CSA22.2 No. 60950-1-03, EUROPE: EN60950-1, CE<br>CHINA: CCC (GB4943-2001)   |  |
| Antibacterial Finishing   |   | Resin of the enclosure/control panel includes an antibacterial substance. This substance is tested according to JIS Z 2801. JIS stands for Japanese Industrial Standard; JIS Z 2801 was designed to quantitatively measure the ability of an antimicrobial surface to kill or inhibit the growth of microorganisms.   |  |

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