



## CG4

UNRIVALLED PERFORMANCE,  
CONVENIENCE AND VERSATILITY

### FEATURES

- Multiple interfaces
- User Friendly Operation and Maintenance
- Printing Resolution of 203 / 305 dpi
- Real-time Clock
- Prints 4 inch Labels, Receipts and Tags

### APPLICATIONS

- Healthcare
- General Office
- Government
- Library
- Retail
- Transportation and Logistics
- Entertainment

# TECHNICAL INFORMATION

## CG408 / CG412

PRINTING SPECIFICATION		CG408	CG412
Printing Method		Direct Thermal, Thermal Transfer	
Print Resolution, dots/mm (dpi)		8 dots/mm (203dpi)	12 dots/mm (305dpi)
Max. Print Area	Width, mm (inch)	105mm (4.13")	
	Length, mm (inch)	300mm (11.81")	
Print Speed, mm/sec (ips)		Up to 100mm/sec (4ips)	
CPU		32 bit RISC	
Printer Body Memory		Main Memory (Flash ROM): 4MB, RAM: 8 MB	

CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)			
Sensor Type		I-Mark Sensor (Reflective), Label Gap Sensor (Transmissive)	
Media Type		Roll or fan-fold die cut labels, Plain paper face stock, Linerless labels, Synthetics and Continuous stock	
Media Thickness		0.06 – 0.19mm (0.002" – 0.0075")	
Label Shape	Diameter	Max. outside diameter: Ø 128mm (5.04"), Core diameter: Ø 25.4mm (1") or Ø 38mm (1.5")	
	Wind Direction	Face-in/out	
Label Size	Continuous	Width	22 – 107mm (0.87" – 4.21")
		Length	7 – 300mm (0.28" – 11.8")
	Tear-Off	Width	22 – 107mm (0.87" – 4.21")
		Length	22 – 300mm (0.87" – 11.8")
	Cutter	Width	22 – 107mm (0.87" – 4.21")
		Length	22 – 300mm (0.87" – 11.8")
	Dispenser	Width	22 – 107mm (0.87" – 4.21")
		Length	22 – 100mm (0.87" – 3.94")
Ribbon	Size	Width: 56mm (2.20") to 110mm (4.33"), Max. Length: 100m (328')	
	Core Diameter	Ø 12.7mm (0.5")	
	Wind Direction	Face-out	

FONTS / SYMBOLOGIES		
Fonts	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
Barcode	1D Barcode	UPC-A/E, JAN/EAN-8/13, Code 39, Code 128, GS1-128 (UCC /EAN128), Codabar (NW-7), Interleaved 2 of 5, Bookland (2/5 char add-on code), GS1 Databar (RSS14), Composite JAN/EAN-8/13; Composite UPC A/E; Composite GS1 128/CC
	2D Barcode	PDF417 (Ver2.4), MAXI Code (Ver3.0), QR Code, GS1 Data Matrix (ECC200)
Print Rotation	Character Data / Barcode	0°, 90°, 180°, 270°

COMMUNICATION INTERFACES	
Interface	USB + RS-232C* model, USB + LAN mode (10/100 BaseT), USB + IEEE1284 model. *RS-232C enables you to connect to PC or SATO Keypad
Command	SBPL (Ver 4.2) SATO Barcode Printer Language

OPERATING CHARACTERISTICS		
Power Requirements	Input voltage AC100-240V (auto switching)/50W (peak) – Input voltage printer: 19V/3A	
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	(W x D x H): 179 x 238 x 173mm (7.05" x 9.37" x 6.81")	
Weight	DT: 1.7kg (3.5lbs) TT: 1.9kg (4.2lbs)	

MISCELLANEOUS	
Certifications	FCC, UL, CSA, CCC, CE, ROHS compliant

OPTIONS	
Accessories	Cutter, Dispenser, Real-Time Clock, Keypad, Unwinder, SATO Label Gallery™, Bluetooth (external via serial port), Smart Keyboard

SATO makes no guarantee that the above features are available in all models, and specifications are liable to change, without notice. Version 09/10. \* Measurements are approximate values.