



CG2

UNRIVALLED PERFORMANCE,
CONVENIENCE AND VERSATILITY

FEATURES

- /// Anti-microbial Casing
- /// User Friendly Operation and Maintenance
- /// Printing Resolution of 203 / 305 dpi
- /// RFID Ready and Upgradeable
- /// Prints Labels, Receipts, Tags and Wristbands

APPLICATIONS

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

TECHNICAL INFORMATION

CG208 / CG212

PRINTING SPECIFICATION		CG208	CG212
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)	56mm (2.20")	56mm (2.20")
	Length, mm (inch)	600mm (23.60")	400mm (15.75")
Print Speed, mm/sec (ips)		Up to 100mm/sec (4 ips)	
CPU		32 bit RISC	
Printer Memory		Flash ROM: 4MB, RAM: 8MB	

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, Synthetics and Continuous stock		
Media Thickness		0.06 – 0.19mm (0.002" – 0.007")		
Label Shape	Diameter	Max. outside diameter: Ø 130mm (5.12"), Core diameter: Ø 25.4mm (1") or Ø 38.1mm (1.5")		
	Wind Direction	Face-in/out		
Label Size	Continuous	Width	12 – 60mm (0.47" – 2.36")	12 – 60mm (0.47" – 2.36")
		Length	6 – 600mm (0.24" – 23.6")	6 – 400mm (0.24" – 15.75")
	Tear-Off	Width	12 – 60mm (0.47" – 2.36")	12 – 60mm (0.47" – 2.36")
		Length	12 – 600mm (0.47" – 23.6")	12 – 400mm (0.47" – 15.75")
	Cutter	Width	12 – 60mm (0.47" – 2.36")	12 – 60mm (0.47" – 2.36")
		Length	22 – 600mm (0.87" – 23.6")	22 – 400mm (0.87" – 15.75")
	Dispenser	Width	12 – 60mm (0.47" – 2.36")	12 – 60mm (0.47" – 2.36")
		Length	22 – 100mm (0.87" – 3.94")	22 – 100mm (0.87" – 3.94")
Ribbon	Size	Width: 59mm (2.32") 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 model, Optional: External SATO Wireless LAN**
Command	SBPL (Ver 4.2) SATO Barcode Printer Language

OPERATING CHARACTERISTICS

Power Requirements	Input voltage adapter: AC100V-240V (auto switching)/40W (peak) – Input voltage printer: 19V/3A	
Environment	Operating	0 – 35°C / 30 – 80% RH (without condensation)
	Storage	-10 – 60°C / 15 – 85% RH (without condensation)
Dimension	(W x D x H): 128 x 235 x 173mm (5.04" x 9.25" x 6.81")	
Weight	TT model (approx 1.6 kg / 3.5 lbs), DT model (approx 1.5 kg / 3.3 lbs)	

MISCELLANEOUS

Certifications	FCC, UL, CSA, CCC, CE, ROHS compliant, Energy Star™
Anti-microbial Finishing	The material of the casing includes an anti-microbial substance which is tested according to the JISZ2801 standard The anti-microbial casing discourages the growth of bacteria and micro-organisms

OPTIONS

Accessories	Cutter, Dispenser, RFID HF Kit 13,56Mhz, Wireless LAN (802.11 b/g auto switching), SATO Keypad, Unwinder, NiceLabel
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RFID SPECIFICATION (optional)

HF	Standard	ISO/IEC 15693		
	Frequency	13,56MHz		
	Transponder	NXP	I-code SLI	112 bytes
		TI	Tag-it HF-I	256 bytes
		Infineon	My-d	992 bytes
RFID Features	Fully integrated HF RFID Reader / Encoder Module, Void marking of damaged or unreadable transponders, RFID data verification after programming, UID reading and printing as text and barcode			

*The RS-232C interface enables connection to PC or SATO Keypad

**Only possible with the USB + RS232-C versions