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

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 – 35ºC / 30 – 80% RH (without condensation)
	Storage	-10 – 60ºC / 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, SATO Label Gallery™

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

SATO
DCS & Labelling Worldwide

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

APPICATIONS

/ 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 – 38ºC / 30 – 80% RH (without condensing)
	Storage	-10 – 60ºC / 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

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