GL4e

POWERFUL AND VERSATILE

FEATURES

- Compliance Labelling
- Shipping / Pallet Labelling
- Logistic and Distribution
- Product Labelling
- Low Cost of Ownership
- Full Network Control
- Online Barcode Verification
- RFID Ready and Upgradeable
- Easy Change Print Head
- Increased Label Capacity
- Shelf Labelling
- Track and Trace
- Rating Plates
- Asset Tracking

APPLICATIONS

- Logistics
- Distribution Centre
- Warehouse
- Manufacturing

GL408e / GL412e

PRINTING SPECIFICATION		GL408e	GL412e
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)	104mm (4.0")	
	Length, mm (inch)	2514mm (98.9")	
Print Speed, mm/sec (ips)		Up to 254mm/sec (10ips)	
CPU		32 bit RISC	
Printer Memory		32MB DRAM, 8MB Flash ROM, Extended Flash memory Cartridge 32MB (Option)	
Display Languages		English, French, Italian, German, Spanish, Portuguese	

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 – 0.26mm (0.002" – 0.01")	
Label Shape	Diameter		Max. external diameter: Ø 264mm (10.4"), Core diameter: Ø 38.1mm (1.5") or Ø 76.2mm (3")	
	Wind Direction		Face-in/out	
Label Size	Continuous	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	6 – 2500mm (0.24" – 98.4")	6 – 2500mm (0.24" – 98.4")
	Tear-Off	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	17 – 2500mm (0.67" – 98.4")	17 – 1500mm (0.67" – 59.1")
	Cutter	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	17 – 2500mm (0.67" – 98.4")	17 – 1500mm (0.67" – 59.1")
	Dispenser	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	17 – 2500mm (0.67" – 98.4")	17 – 1500mm (0.67" – 59.1")
Ribbon	Size		Width: 39.5mm (1.56") to 128mm (5.04"), Max. Length: 450m (1476')	
	Core Diameter		Ø 25.4mm (1")	
	Wind Direction		Face-in/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	Standard	IEEE1284 Parallel; USB 2.0; RS232C
	Option (PCI Slot)	LAN (10/100BaseT); Wireless LAN (802.11g)
	Option (Slot 2)	I/O Extended Board

OPERATING CHARACTERISTICS		
Power Requirements		Input voltage AC100-240V (auto switching)/219W (peak))
Environment	Operating	5° – 40ºC / 15 – 85% RH (without condensation)
	Storage	-5° – 60ºC / max 90% RH (without condensation)
Dimension		(W x D x H): 271mm x 455mm x 305mm (10.7" x 17.9" x 12.0")
Weight		15kg (33.1lbs)

MISCELLANEOUS		
Certifications		FCC, UL, CSA, CCC, CE, ROHS compliant
Function	Useful Features	Hex dump, Print custom character design, Graphic, Sequential numbering for number and barcode, Form storage and recall for faster data retrieving of complex formats; Black/White inversion fields, Line and box function
	Self Diagnosis Checking Optional Remote Control through SATOnet Connect™ (with Ethernet or Wireless I/F)	Head check, Paper end detection, Ribbon end / Near-end detection (remaining 15m – 30m detection), Auto detection of optional accessories

OPTIONS		
Accessories		Label Cutter (Guillotine), Label Dispenser (Simplified and Internal), Internal Rewinder, 32MB Memory Cartridge, Online Data Verifier, RFID Kit (UHF), Real-Time Clock, SATO Label Gallery™

RFID SPECIFICATION (optional)		
UHF	Standard	ISO/IEC 18.000-6
	Frequency	868MHz
	Protocols	EPC Gen 2 Class 1
RFID Features		Fully integrated HF RFID Reader / Encoder Module, RFID calibration function for optimal transponder performance, Transponder position calibration to allow flexible inlay positions, Void marking of damaged or unreadable Transponders, RFID data verification after programming
Memory		96bit EPC

SATO
DCS & Labelling Worldwide