



## GZ4e

SPEED AND ENDURANCE FOR  
LOGISTICS AND MANUFACTURING

### Features

- /// High Speed Throughput
- /// 203 / 305 dpi
- /// Flexible Connectivity
- /// User friendly operation
- /// Low Cost of Ownership
- /// Unicode Support
- /// Built in Emulation Language

### Applications

- /// Logistics
- /// Distribution Centre
- /// Warehouse
- /// Manufacturing

# TECHNICAL INFORMATION

## GZ408e / GZ412e

PRINTING SPECIFICATION		GZ408e	GZ412e
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 (4.1")	
	Length, mm (inch)	1249mm (49.2")	833mm (32.8")
Print Speed, mm/sec (ips)		Up to 250mm/sec (10ips)	Up to 200mm/sec (8ips)
CPU		32 bit RISC	
Printer Memory		16MB SDRAM; 6MB Flash	

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		0.08 – 0.26mm (0.003" – 0.01")		
Label Shape	Diameter	Max. outside diameter: Ø 218mm (8.6"), Core diameter: Ø 76.2mm (3")		
	Wind Direction	Face-in		
Label Size	Continuous	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	6 – 1249mm (0.24" – 49.2")	6 – 833mm (0.24" – 32.8")
	Tear-Off	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	17 – 1249mm (0.67" – 49.2")	17 – 833mm (0.67" – 32.8")
	Cutter	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	17 – 1249mm (0.67" – 49.2")	17 – 833mm (0.67" – 32.8")
	Dispenser	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	17 – 1249mm (0.67" – 49.2")	17 – 833mm (0.67" – 32.8")
Ribbon	Size	Width: 39.5mm (1.56") to 111mm (4.37")		
	Max. Length	450m (1476')		
	Core Diameter	Ø 25.4mm (1")		
	Wind Direction	Face-in		

FONTS / SYMBOLOGIES		
Fonts	Standard Fonts	Bitmap Fonts Alphanumerical and Symbol: 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), Industrial 2 of 5, Bookland
	2D Barcode	PDF417 (Ver2.4), MAXI Code (Ver3.0), QR Code, GS1 Data Matrix (ECC200)
Print Rotation	Character Data / Barcode	0°, 90°, 180°, 270°

INTERFACE CHARACTERISTICS	
Communication Interface	Combo model: USB (12Mbit/s) + IEEE1284 + RS232C (9,600-57,600 baud) LAN model: LAN (TCP/IP protocol 10/100BaseT) Wireless LAN model: Wireless LAN (802.11b/g)
Applicator Interface	External I/O connector 14 Pin Amp. (for all models)
Optional Interface	Not available

OPERATING CHARACTERISTICS		
Power Requirements	Input voltage AC200-240V (optional 100-120V)/180W (peak)	
Environment	Operating	5 – 40 °C / 30 – 80 % RH (without condensation)
	Storage	-5 – 60 °C / 30 – 90 % RH (without condensation)
Dimension	(W x D x H): 271 x 430 x 321mm (10.7" x 16.9" x 12.6")	
Weight	Approx. 14kg (28.7lbs)	

MISCELLANEOUS	
Certifications	FCC, UL, CSA, CCC, CE, ROHS compliant
Functions – Useful features	Hex dump print, Custom character design, Sequential numbering, Form storage and recall for faster data retrieving of complex format, Applicator interface Status report, Graphic storage, Reverse image, Line print, Zero slash switchover
Functions – Self Diagnosis Checking	Head check, Paper end, Ribbon end, Head open, Test print, Ribbon near end (can be detected with 30 – 15m of ribbon remaining)

OPTIONS	
Accessories	Cutter, Dispenser with Internal Backing paper Rewinder, Real-Time Clock, SATO Label Gallery™, Rewinder, Unwinder

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.