DCS & Labelling Worldwide

GT4e

HIGH PERFORMANCE INDUSTRIAL PRINTING

FEATURES

- Semiconductor / Electronics
- Dual LAN System
- Fastest in the Market
- Large LCD Display
- Easy to Navigate Menu
- User Configurable Print Head
- RFID Ready and Upgradeable
- No PC Required
- Tri-Interface Port
- Built to Last

APPLICATIONS

- Logistics
- Distribution Centre
- Warehouse
- Manufacturing

TECHNICAL INFORMATION

GT408e / GT412e / GT424e

PRINTING SPECIFICATION			GT408e	GT412e	GT424e
Printing Method			Direct Thermal or Thermal Transfer		
Print Resolution, dots/mm (dpi)			8 dots/mm (203dpi)	12 dots/mm (305dpi)	24 dots/mm (609dpi)
Max. Print Area	Width, mm (inch)		104mm (4.1")		
	Length, mm (inch)		2500mm (98.43")	1500mm (59.10")	400mm (15.7")
Print Speed, mm/sec (ips)			Up to 300mm/sec (12ips)	Up to 300mm/sec (12ips)	Up to 150mm/sec (6ips)
CPU			32 bit RISC		
Memory			6 MB Memory Cartridge, 2 MB free available		
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 – 0.26mm (0.002" – 0.01")		
Label Shape	Diameter		Max. outside diameter: Ø 264mm (10.4"), Core diameter: Ø 38mm (1.5") or Ø 76mm (3")		
	Wind Direction		Face-in		
Label Size	Continuous	Width	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")	22 – 128mm (0.87" – 5.04")
		Length	6 – 2500mm (0.24" – 98.4")	6 – 1500mm (0.24" – 59.1")	6 – 400mm (0.24" – 15.7")
	Tear-Off	Width	22 – 128mm (0.87" – 5.04")	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")	17 – 400mm (0.67" – 15.7")
	Cutter	Width	22 – 128mm (0.87" – 5.04")	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")	17 – 400mm (0.67" – 15.7")
	Dispenser	Width	22 – 128mm (0.87" – 5.04")	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")	17 – 400mm (0.67" – 15.7")
Ribbon			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°

INTERFACE CHARACTERISTICS		
Optional Plug-in Interface	1st Slot	Mini-LAN 10/100 BaseT
	2nd Slot	IEEE1284, Centronics parallel, RS232C (2400-19,200 Baud), RS232C highspeed (9,600-57,600 baud), USB (12Mbit/s), LAN (TCP/IP protocol 10/100BaseT), Wireless LAN 802.11b/g
	3rd Slot	14-pin or 25-pin Ext Signal Board

STANDARD FEATURES	
Menu Languages	English, German, French, Italian, Spanish, Portuguese

OPERATING CHARACTERISTICS		
Power Requirements		Input voltage AC100-240V (auto switching)/200W (peak)
Dimensions		(W x D x H): 271 x 455 x 305mm (10.67" x 17.91" x 12.0")
Weight		Approx. 15kg (33.07lbs)
Environment	Operating	0 – 40ºC / 30 – 80% RH (without condensation)
	Storage	-5 – 60ºC / 30 – 90% RH (without condensation)

MISCELLANEOUS		
Certifications		FCC, UL, CSA, CCC, CE, ROHS compliant
Function	Useful Features	Hex dump, Custom character design, Sequential numbering, Form storage and recall for faster data retrieving of complex format, Applicator interface
	Self Diagnosis Checking	Head check, Paper end detection, Ribbon end / Near-end detection (remaining 15 – 30m), Auto sensing for continuous forms, Memory card error detection, Auto print head detection, Test print

OPTIONS	
Accessories	RFID Kit (HF & UHF), Cutter Unit (Guillotine Cutter), Simplified Dispenser Unit, Linerless Unit, Verifier Mounting Bracket, SATO Label Gallery™, Real-Time Clock

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	
UHF	Standard		ISO/IEC 18.000-6	
	Frequency		868MHz	
	Protocols		Matrics 0+, EPC Gen 1 Class 1, EPC Gen 1 Class 0, EPC Gen 2 Class 1, NXP UCODE 1.19	
RFID Features			Fully integrated UHF RFID Reader / Encoder Module, RFID calibration function for optimal transponder performance, Void marking of damaged or unreadable transponders, RFID data verification after programming, Multiple RFID power settings allow users to use individual Transponder sizes, DIP (Direct Inlay Printing) allows to use short pitch labels down 4 mm, PWP function allows flexible inlay positions, TID reading and printing as text and barcode	
Gen2 Memory			Expanded EPC (240bit), User Memory (512bit), TID (64bit), Access password (16bit), Kill password (16bit), Lock	