



## MB4i

### MOBILITY AND PORTABILITY

#### FEATURES

- // Small Footprint
- // Lightweight
- // Compatible with PDA
- // 2-Colour Printing
- // Wireless Connectivity

#### APPLICATIONS

- // Logistics
- // Warehouse
- // Retail
- // Mobile Printing
- // Field Service

# TECHNICAL INFORMATION

## MB400i / MB410i

PRINTING SPECIFICATION		MB400i	MB410i
Printing Method		Direct Thermal	
Print Resolution, dots/mm (dpi)		8 dots/mm (203dpi)	12 dots/mm (305dpi)
Max. Print Area	Width, mm (inch)	104mm (4.09")	
	Length, mm (inch)	297mm (11.7")	
Print Speed, mm/sec (ips)		Up to 103mm/sec (4ips)	
CPU		32 bit RISC	

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 die cut labels, Plain paper face stock, Linerless labels, Synthetics and Continuous stock	
Media Thickness		0.064 – 0.19mm (0.0025" – 0.0075")	
Label Shape	Diameter	Max. outside diameter: Ø 67mm (2.64"), Core diameter: Ø 19mm (0.75") or Ø 25.4mm (1")	
	Wind Direction	Face-out	
Label Size	Continuous	Width	50 – 111mm (1.97" – 4.37")
		Length	25 – 297mm (0.98" – 11.7")
	Tear-Off	Width	50 – 111mm (1.97" – 4.37")
		Length	25 – 297mm (0.98" – 11.7")
	Dispenser	Width	50 – 111mm (1.97" – 4.37")
		Length	25 – 182mm (0.98" – 7.17")

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)
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 INTERFACE		
Command Set		Either SBPL 4.0 or MB400 compatible command set
Interface	Standard Model	RS-232C, USB, Infrared (IrDA Ver.1.2, BHT protocol, IrCOMM, IrOBEX)
	Bluetooth Model	Bluetooth, RS-232C, USB, Infrared (IrDA Ver.1.2, BHT Protocol, IrCOMM, IrOBEX)
	Wireless LAN Model	Wireless LAN 802.11b/g, RS-232C, USB, Infrared (IrDA Ver.1.2, Standard Protocol, BHT Protocol, IrCOMM, IrOBEX)

OPERATING CHARACTERISTICS		
Power Requirements		Input voltage AC100-240V (auto switching)/90W Input voltage printer: 19V/4,9A
Dimensions		Standard Version: (W x D x H): 170 x 76 x 134mm (9.7" x 3.0" x 5.3") Industrial Version: (W x D x H): 202 x 99 x 165mm (8.0" x 3.9" x 6.5")
Weight		Standard Version: 750g (with battery installed) Industrial Version: 910g (with battery installed)
Environment	Operating	-15 – 50°C (Only the Wireless LAN Model : 0 – 50°C)
	Storage	-25 – 60°C (without condensation)

MISCELLANEOUS	
Certifications	FCC, UL, CSA, CCC, CE, ROHS compliant, Bluetooth® certified
Power Management	Auto power saving, power is automatically off with operation interval longer than 5 minutes (default) which may be set by command to other length of time. Auto power-off is disabled by default for Wireless LAN, Bluetooth configuration
Self Diagnostics	Print head check / Battery check / Paper end detection / Cover open detection, Test print: status identified with different colour signals
Regulatory Approvals	CSA (CSA22.2 NO.60950-1-03), CCC (GB4943-2001), SS337:2001, MIC, EK (AC adaptor only), FCC15B Class B, GB9254-1998, GB17625.1 (2003), EN55022, EN55024, FCC15C, GB4943, GB9254, GB17625.1, R&TTE (EN300 328 V1.4:2003-04), (EN301 489 V1.4.1:2002-08), IDATSSSS, FCC47 CFR2.1093, Bluetooth logo certified

OPTIONS	
Accessories	Battery Charger, AC Adaptor, Linerless Kit (Standard), Shoulder Belt, Battery Charger, Water Protective Case, Belt Bag, DC/DC Converter, SATO Label Gallery™