



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			Cerner Validated, 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 adapter 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, NiceLabel	