Ficha técnica

Epson

Modelos / familias

TM-M30II, TM-M30II-S

Fuente del fabricante

TM-M30II-S Technical Reference Guide
https://files.support.epson.com/pdf/pos/bulk/tm-m30ii_trg_en_reva.pdf

Las páginas siguientes son un extracto técnico del documento oficial del fabricante.

Appendix

Product Specifications

Printing method		Thermal line printing
Printing direction		Two directional with friction feed
Paper feed speed		200 mm/s {5.9"/s} (continuous paper feeding with the Feed button)
Cutting method		Partial cut (cutting with one point in center left uncut)
Interface	Standard model	Ethernet [10BASE-T/100BASE-TX] USB Type-B [USB 2.0, Full-speed (12 Mbps)]
	Wi-Fi model	Wireless LAN [IEEE802.11 b/g/n or IEEE802.11 a/b/g/n/ac] Ethernet [10BASE-T/100BASE-TX] USB Type-B [USB 2.0, Full-speed (12 Mbps)]
	Bluetooth model	*Bluetooth* [*Bluetooth* 3.0 (EDR supported)] Ethernet [10BASE-T/100BASE-TX] USB Type-B [USB 2.0, Full-speed (12 Mbps)]
Buffers	Receive buffer	4 KB/45 bytes (64 KB for *Bluetooth* interface)
	Downloaded buffer (user-defined characters and user-defined images)	12 KB
	NV graphics memory	384 KB
Barcode/ two-dimensional symbol printing		UPC-A, UPC-E, JAN8 / EAN 8, JAN13 / EAN13, Code39, Code93, Code128, ITF, CODABAR(NW-7), GS1-128, GS1 DataBar, Code128 auto, PDF417, QR code, Maxi Code, Data Matrix, Aztec Code, Two-dimensional GS1 DataBar, Composite Symbology
Cash drawer function		2 drives
Power supply *1		AC Adapter, C1
AC power consumption (100 to 230V/50 to 60 Hz)*2	Operating	32.4 W (AC 115 V/60 Hz)
	Standby	1.0 W (AC 115 V/60 Hz)
Operating voltage		DC 24V ± 7%
Life*3	Printer mechanism	15 million lines (printing + paper feeding)
	Thermal head	150 km
	Autocutter	1.5 million cuts
MTBF*4		360,000 hours

MCBF*5	65 million lines
Temperature/Humidity	Operating: 5 to 45°C {41 to 113°F}, 10 to 90% RH Storage: -20 to 60°C {-4 to 140°F}, 10 to 90% RH
Overall dimensions (W × D × H)	Top eject position: 127 X 127 X 135 mm (5.0 × 5.0 × 5.3") Front eject position: 127 X 133 X 129 mm (5.0 × 5.2 × 5.1")
Weight (mass)	Approx. 1.3 kg {2.87 lb}

*1: Reference data: When using AC adapter (AC Adapter, C1 or PS-180 depending on the model).

*2: According to our operation conditions. It may differ depending on the usage conditions and product model.

*3: Indicates the mean time between failures during the random failure period.

*4: Indicates the overall mean time between failures, including wear-out and random failures, before the life is reached.

*5: Indicates the overall mean cycles between failures, including wear-out and chance failures, before the life is reached.

Printing Specifications

			Paper width 58 mm	Paper width 80 mm
Printing method			Thermal line printing	
Dot density			203 × 203 dpi	
Printing width	48/35 characters mode		52.5 ± 0.2 mm {2.07 ± 0.01"}, 420 dots	72.0 ± 0.2 mm {2.83 ± 0.01"}, 576 dots
	42/32 characters mode		52.5 ± 0.2 mm {2.07 ± 0.01"}, 420 dots	68.3 ± 0.2 mm {2.69 ± 0.01"}, 546 dots
The number of characters	48/35 characters mode	Font A (12 × 24)	35	48*1
		Font B (10 × 24)	42*1	57
		Font C (9 × 17)	46	64
		Special Font A	35	48
		Special Font B	46	64
		Kanji Font A (24 × 24)	17*1	24*1
		Kanji Font B (20 × 24)*2	26	36
	42/32 characters mode	Font A (12 × 24)	32	42
		Font B (10 × 24)	42	54
		Font C (9 × 17)	46	60
		Special Font A	35	45
		Special Font B	46	60
		Kanji Font A (24 × 24)	16	21
		Kanji Font B (20 × 24)*2	26	34
Line spacing			3.75 mm {1/5"} (initial setting, programmable by command)	
Maximum print speed*3			250 mm/s {9.84"/s}*4	
Multi-tone graphics printing			Up to 16 color tones	

dpi: dots per inch

*1: Initial setting

*2: Korean model only

*3: When the printer prints with the standard print density level at 25°C {77°F} and 24V.

*4: The maximum is 100 mm/s {3.94"/s} when printing ladder barcodes, 2-dimensional symbols, or multi-tone graphics.

CAUTION

- The print speed changes automatically depending on the applied voltage and head temperature.
- If the data transmission speed is slower than the maximum print speed, the print speed may fluctuate and the print result may become shaded and/or dot displacement in paper feeding may occur. Furthermore, if the data transmission speed is much slower than the maximum print speed, intermittent printing will occur.

Character Specifications

Number of characters

Character set[*1]		ANK	95 alphanumeric characters
			128 extended graphics characters x 43 pages (includes user-defined pages)
			18 international character sets
		Japanese	6,879 characters of JIS X0208-1990, 845 special characters
			11,233 characters of JIS X0213:2004, One special character
		Simplified Chinese	28,553 characters of GB18030-2000
		Traditional Chinese	13,535 characters of Big5
		Korean	8,366 characters of KSC5601
Character code[*1]		Japanese	ISO-2022-JP / Shift_JIS / Shift_JIS-2004
		Simplified Chinese	GB18030-2000
		Traditional Chinese	Big5
		Korean	KSC5601
		Unicode[*2]	UTF-8
The number of dots per character	48/35 characters mode	Font A	12 × 24 (includes 2-dot horizontal spacing)
		Font B	10 × 24 (includes 1-dot horizontal spacing)
		Font C	9 × 17 (includes 2-dot horizontal spacing)
		Special Font A	12 × 24 (includes 2-dot horizontal spacing)
		Special Font B	9 × 24 (includes 2-dot horizontal spacing)
		Kanji Font A	24 × 24
		Kanji Font B	16 × 16
	42/32 characters mode	Font A	13 × 24 (includes 3-dot horizontal spacing)
		Font B	10 × 24 (includes 1-dot horizontal spacing)
		Font C	9 × 17 (includes 2-dot horizontal spacing)
		Special Font A	12 × 24 (includes 2-dot horizontal spacing)
		Special Font B	9 × 24 (includes 2-dot horizontal spacing)
		Kanji Font A	26 × 24 (includes 2-dot horizontal spacing)
		Kanji Font B	16 × 16

Character size*3 Standard/Double height/ Double width/Double height and width	Font A	1.25 × 3.00 mm/1.25 × 6.00 mm/ 2.50 × 3.00 mm/2.50 × 6.00 mm
	Font B	1.13 × 3.00 mm/1.13 × 6.00 mm/ 2.26 × 3.00 mm/2.26 × 6.00 mm
	Font C	0.88 × 2.13 mm/0.88 × 4.26 mm/ 1.76 × 2.13 mm/1.76 × 4.26 mm
	Special Font A	1.25 × 3.0 mm/1.25 × 6.0 mm/ 2.5 × 3.0 mm/2.5 × 6.0 mm {0.05 × 0.12"/0.05 × 0.24"/ 0.10 × 0.12"/0.10 × 0.24"}
	Special Font B	0.88 × 3.0 mm/0.88 × 6.0 mm/ 1.76 × 3.0 mm/1.76 × 6.0 mm {0.03 × 0.12"/0.03 × 0.24"/ 0.06 × 0.12"/0.06 × 0.24"}
	Kanji Font A	3.00 × 3.00 mm/3.00 × 6.00 mm/ 6.00 × 3.00 mm/6.00 × 6.00 mm
	Kanji Font B	2.00 × 2.00 mm/2.00 × 4.00 mm/ 4.00 × 2.00 mm/4.00 × 4.00 mm

*1: Installed character sets and character codes vary by printer model.

*2: Only the character sets installed on the printer can be printed.

*3: Space between characters is not included. Characters can be scaled up to 64 times as large as the standard size.

NOTE

By specifying UTF-8 character encoding, all the installed character sets can be printed.
For more details on printing Unicode characters, see "FS (C" of the ESC/POS command reference, or manual of the software you use. ("Application Development Information" on page 74)

Paper Specifications

		Paper width 58 mm	Paper width 80 mm
Paper types		Specified thermal paper	
Form		Roll paper	
Size	Roll paper diameter	83 mm {3.27"} maximum	
	Roll paper core	Outside: 18 mm {0.71"}	
	Roll width when taken up	58 + 0.5/-1.0 mm {2.28 + 0.02/-0.04"}	80 + 0.5/-1.0 mm
	Paper width	57.5 ± 0.5 mm {2.26 ± 0.02"}	79.5 ± 0.5 mm
	Paper thickness	Maximum of 80 µm, minimum of 48 µm	
Specified original paper type		TF50KS-EY, TF60KS-E PD160R, PD190R P220AGB-1 AP45KS-ND, AP50KS-ND F50417(55), F50417(48) KT55FA, KT48FA, KT55PF, KT48PF	NIPPON Paper Industries Co., Ltd. OJI Paper Mfg. Co., Ltd. Mitsubishi Paper Mills Limited. Jujo Thermal Oy Mitsubishi HiTec Koehler Paper Group

CAUTION

- Paper must not be pasted to the roll paper core.
- To keep the print quality, it is recommended to change the print densities for each roll paper. See "Software Settings" on page 47.
- Use of thermal paper with a pre-printed recording surface should be avoided. Using it can cause the thermal head to stick to the thermal paper surface during printing, and cause printing failure and other problems. The pre-printing also can result in reduced print density. Using thermal paper with a pre-printed recording surface, pre-printing should be done in accordance with the conditions (ink type, printing and other conditions) recommended by the paper manufacturer, and the thermal paper should be checked to ensure that there is no faulty printing, loss of print density, or other problems.