







TM SERIES SPECIFICATIONS





Item	Hybrid Printer		Thermal Line Printer	
	NEW TM-H6000II	TM-H5000II	NEW TM-T90	NEW TM-L90
Appearance				
Print method	Receipt: Thermal line printing Slip: 9-pin serial impact dot matrix E / P: 8-pin shuttle impact dot matrix		Receipt: Thermal line printing Slip: 9-pin serial impact dot matrix	
Font	Receipt: 9 x 17 / 12 x 24 Slip: 5 x 9 / 7 x 9 E / P: 5 x 7		9 x 17 / 12 x 24	
Column capacity (columns)	Receipt: 56 / 42 Slip: 45 / 60 E / P: 40		56 / 42	
Character size (mm)	Receipt: 0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H) Slip: 1.24 (W) x 3.1 (H) / 1.56 (W) x 3.1 (H) E / P: 1.1 (W) x 2.42 (H)		1.3 (W) x 2.4 (H) / 1.7 (W) x 3.4 (H)	
Character set	Receipt / Slip: 95 Alphanumeric, 37 International, 128 x 12 Graphic Bar code: UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417 (Receipt only)		95 Alphanumeric, 37 International, 128 x 11 Graphic Bar code: UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR, PDF417, Maxicode (L90 only), QRCode (L90 only)	
Characters Per Inch	Slip: 13.3 cpi / 17.8 cpi		20.0 cpi / 15.0 cpi	
Interfaces*	RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F			
Data buffer	4 KB or 45 bytes			
Print speed	Receipt: Max. 170 mm / sec. Slip: Approx. 5.14 lps (at 40 columns, 17.8 cpi) E / P: Approx. 1.9 lps		Max. 170 mm / sec.	
Paper	Receipt: Thermal roll paper 79.5 ± 0.5 (W) x dia. 83.0 Slip & E / P: 68 to 230 x 68 to 297 (W x L) NOTE: The minimum paper size is 68 x 152 mm		Roll paper: Max. 79.5 ± 0.5 (W) x dia. 100.0	
Thickness (mm)	Receipt: 0.06 to 0.09 Slip: 0.09 to 0.31 E / P: 0.09 to 0.2		0.06 ~ 0.08	
Copy capability	Slip: One original and three copies E / P: One original single ply		-	
Inked ribbon	Slip: ERC-32 (Purple, Black) E / P: ERC-41 (Purple, Black)		-	
Ribbon Life (characters)	Slip: Purple: 6 x 10 ⁶ , Black: 4 x 10 ⁶ E / P: Purple: 1 x 10 ⁶ , Black: 8 x 10 ⁵		-	
Power	24 VDC ± 10 %		24 VDC ± 7%	
Power consumption	Receipt: Approx. 1.8 A Slip: Approx. 1.7 A		Approx. 1.7 A (mean)	
D.K.D.function	2 drivers			
Reliability	MTBF: Receipt: 36 x 10 ⁴ hours Slip: 18 x 10 ⁴ hours		36 x 10 ⁴ hours	
MCBF	Receipt: 52 x 10 ⁶ lines Slip: 18 x 10 ⁶ lines		70 x 10 ⁶ lines 70 x 10 ⁶ lines (when printing receipt)	
Overall dimensions (mm)	186 (W) x 298 (D) x 185 (H)		140 (W) x 201 (D) x 148 (H)	
Mass (Approx.)	5.8 kg		1.8 kg	
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B			
Power supply (option)	PS-170, PS-180		PS-170, PS-180	
Factory Options	MICR device, Endorsement Printer (E / P)		Wall-hanging bracket WH-10	
Safety Standards	UL / CSA / TÜV (EN60950)			

*Interface: Dealer option: RS-485, USB, 10 Base T I/F, Please contact your EPSON representative lps: lines per second cpi: characters per 25.4 mm (character per inch)

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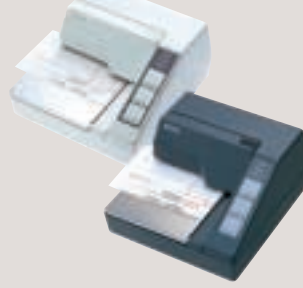
Thermal Line Printer		Impact Dot Matrix Printer		Appearance
TM-T88II	TM-L60II	TM-U950 / U925	TM-U675	
				
Thermal line printing		9-pin, serial impact dot matrix		Print method
	9 x 24 / 12 x 24	7 x 9 / 9 x 9	5 x 9 / 7 x 9	Font
56 / 42	42 / 32 (Roll paper) 40 / 30 (Label)	U950: Receipt (Journal): 40 / 30 Slip: 88 / 66 U925: Receipt: 40 / 30 Slip: 88 / 66	Receipt: 37 / 50 Slip / Validation: 45 / 60	Column capacity (columns)
0.99 (W) x 2.4 (H) / 1.41 (W) x 3.39 (H)	0.99 (W) x 3.39 (H) / 1.41 (W) x 3.39 (H)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)	1.56 (W) x 3.1 (H) / 1.24 (W) x 3.1 (H)	Character size (mm)
95 Alphanumeric, 37 International, 128 x 8 Graphic Traditional / Simple Chinese, Thai, Japanese Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR	95 Alphanumeric, 32 International, 128 x 7 Graphic Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), CODE39, CODE93, CODE128, ITF, CODABAR	95 Alphanumeric 32 International 128 x 8 Graphic	95 Alphanumeric 37 International 128 x 12 Graphic	Character set
20.0 cpi / 15.0 cpi		16.7 cpi / 12.5 cpi	13.3 cpi / 17.8 cpi	Characters Per Inch
RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F	RS-232, Bi-directional parallel	U950: RS-232, Bi-directional parallel U925: RS-232	RS-232, Bi-directional parallel RS-485, USB, 10 Base-T I/F	Interfaces*
4 KB or 45 bytes		2 KB or 32 bytes	4 KB or 45 bytes	Data buffer
120 mm / sec. (38 lps, 1 / 8" conversion)	50 mm / sec. (12 lps with 1 / 6" paper feed)	311 / 233 cps	Approx. 5.14 lps (at 40 columns, 17.8 cpi)	Print speed
Roll paper: 79.5 ± 0.5 (W) x dia. 83.0	Roll paper: 60.0 ^{-0.1} (W) x dia. 83.0 Label: 60.0 ^{+0.2} (W) x dia. 83.0	U950: Receipt (Journal): Roll paper 69.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L) U925: Receipt: Roll paper 69.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 70 (L) to 210 (W) x 297 (L)	Roll paper: 82.5 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 150 (L) to 148 (W) x 297 (L) Validation: 148 (W) x 70 (L) to 150 (W) x 210 (L) Roll paper: 0.06 to 0.085 / sheet Slip: 0.09 to 0.2 (total thickness: 0.09 to 0.31)	Dimensions (mm)
0.06 to 0.07	Label: 0.143 ± 0.015	U950: Receipt (Journal): 0.06 to 0.09, Slip: 0.09 to 0.36 U925: Receipt: 0.06 to 0.09, Slip: 0.09 to 0.36		Thickness (mm)
–	–	One original and four copies (for slip)	One original and two copies	Copy capability
–	–	ERC-31 (Purple, Black)	ERC-32 (Purple, Black)	Inked ribbon
–	–	Purple: 7 x 10 ⁶ Black: 4.5 x 10 ⁶	Purple: 6 x 10 ⁶ Black: 4 x 10 ⁶	Ribbon Life (characters)
24 VDC ± 7%		24 VDC ± 10%		Power
Approx. 1.7 A (mean)	Approx. 1.0 A (mean)	Approx. 1.8 A (mean)		Power consumption
2 drivers				D.K.D.function
36 x 10 ⁴ hours	18 x 10 ⁴ hours	18 x 10 ⁴ hours		MTBF
52 x 10 ⁶ lines	29 x 10 ⁶ lines (thermal paper) 12 x 10 ⁶ lines (thermal label)	18 x 10 ⁶ lines	37 x 10 ⁶ lines	MCBF
145 (W) x 195 (D) x 148 (H)	123 (W) x 201 (D) x 124 (H)	U950: 251 (W) x 298 (D) x 194.5 (H) U925: 251 (W) x 298 (D) x 193.7 (H)	186 (W) x 298 (D) x 195 (H)	Overall dimensions (mm)
1.8 kg	0.8 kg	5.6 kg	5.8 kg	Mass (Approx.)
VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B				EMC standards
PS-170, PS-180	PS-170			Power supply (option)
Wall-hanging bracket WH-10	–	MICR device		Factory Options
UL / CSA / TÜV (EN60950)				Safety Standards

TM SERIES SPECIFICATIONS

Impact Dot Matrix Printer				
Item	TM-U375	TM-U325	TM-U200 series	TM-U230
Appearance				
Print method	9-pin, serial impact dot matrix			
Font	5 x 9 / 7 x 9	7 x 9 / 9 x 9		
Column capacity (columns)	33 / 40	40 / 42 or 33 / 35 (3 half dots / 2 half dots space)	40 / 42 or 33 / 35	
Character size (mm)	1.6 (W) x 3.1 (H) / 1.2 (W) x 3.1 (H)	1.2 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)		
Character set	95 Alphanumeric 32 International 128 x 9 Graphic	95 Alphanumeric 32 International 128 x 8 Graphic	95 Alphanumeric 32 International 128 x 8 Graphic Traditional / Simple Chinese, Thai, Japanese (A type)	95 Alphanumeric, 37 International 128 x 8 Graphic Traditional / Simple Chinese,
Characters Per Inch	13.3 cpi / 16 cpi	16 or 17.8 cpi 13.3 or 14.5 cpi	17.8 cpi / 16 cpi or 14.5 cpi / 13.3 cpi	16 or 17.8 cpi 13.3 or 14.5 cpi
Interfaces*	RS-232, Bi-directional parallel	RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F		
Data buffer	4 KB or 40 bytes	4 KB or 45 bytes	1 KB or 40 bytes	1 KB / 16 KB
Print speed	3.5 lps (at 40 columns, 16 cpi) 5.4 lps (at 20 columns, 16 cpi)	Approx. 3.5 lps (at 40 columns, 16 cpi) Approx. 6.4 lps (at 16 columns, 16 cpi)	3.5 lps (at 40 columns, 16 cpi) 6.4 lps (at 16 columns, 16 cpi)	
Dimensions (mm)	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0 Slip: 70 (W) x 160 (L) to 182 (W) x 257 (L) Validation: 135 (W) x 70 (L) to 182 (W) x 257 (L)	Receipt: 76.0 ± 0.5 (W) x dia. 83.0 Validation: 135 (W) x 70 (L) to 182 (W) x 182 (L) (Maximum print lines: 9 lines)	Roll paper: 76.0 ± 0.5 (W) x dia. 83.0	
Thickness (mm)	Roll paper: 0.06 to 0.085 / sheet Slip: 0.09 to 0.12 (total thickness: 0.09 to 0.31)	Receipt: 0.06 to 0.085 (total thickness: 0.2 mm or less) Validation: 0.09 to 0.12 (total thickness: 0.09 to 0.31)	0.06 to 0.085	
Copy capability	Roll paper: One original and one copy Slip: One original and two copies	One original and two copies	A type: One original and two copies B type: One original and one copy D type: One original and two copies	One original
Inked ribbon	ERC-38 (Purple, Black)		ERC-38 (Purple, Black, Black / Red)	
Ribbon Life (characters)	Purple: 4 x 10 ⁶ Black: 3 x 10 ⁶		Purple: 4 x 10 ⁶ , Black: 3 x 10 ⁶ B / R: 15 x 10 ⁵ (Black), 75 x 10 ⁴ (Red)	
Power	24 VDC ± 10%	AC adapter (included)		24 VDC ± 5%
Power consumption	Approx. 1.4 A	Approx. 43 W		
D.K.D.function	2 drivers			
MTBF	18 x 10 ⁴ hours			
MCBF	18 x 10 ⁶ lines	49 x 10 ⁶ lines	18 x 10 ⁶ lines	
Overall dimensions (mm)	186 (W) x 327 (D) x 145 (H)	164 (W) x 240 (D) x 136 (H)	A type: 160 (W) x 295 (D) x 160 (H) B type: 160 (W) x 248 (D) x 150 (H) D type: 160 (W) x 248 (D) x 133 (H)	166 (W) x 168 (D) x 259.5 (H)
Mass (Approx.)	4 kg	2.3 kg	A type / B type: 2.5kg D type: 2.2kg	2.7 kg
EMC standards	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	FCC class A	VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	
Power supply (option)	PS - 170	Exclusive AC adapter (included)		Power supply built-in model / Power supply separate model
Factory Options	—	Near - end sensor		WH-10
Safety Standards	UL / CSA / TÜV (EN60950)	UL / CSA	UL / CSA / TÜV (EN60950)	

*Interface: Dealer option: RS-485, USB, 10 Base T I/F, Please contact your EPSON representative lps: lines per second cpi: characters per 25.4 mm (character per inch)

TM SERIES SPECIFICATIONS

Inkjet Printer		Slip Printer		
TM-J8000	NEW TM-J2000 / J2100	TM-U590	TM-U295	Appearance
				
Serial Inkjet dot matrix (128 nozzle / 360 dpi)	J2000: 64 nozzle serial inkjet (180 dpi x 180 dpi) J2100: 128 nozzle serial inkjet (180 dpi x 180 dpi)	9-pin, serial impact dot matrix	7-pin, shuttle impact dot matrix	Print method
22 x 48 / 18 x 36	12 x 24 / 9 x 17	7 x 9 / 9 x 9	5 x 7 / 7 x 7	Font
Receipt: 42 / 51 Slip: 130 / 158	82.5 mm 42 / 56 76 mm: 40 / 53 70 mm: 36 / 48 58 mm: 30 / 40	88 / 66	35 / 42	Column capacity (columns)
1.48 (W) x 3.32 (H) / 1.20 (W) x 2.47 (H)	1.41 (W) x 3.39 (H) / 0.99 (W) x 2.4 (H)	1.3 (W) x 3.1 (H) / 1.6 (W) x 3.1 (H)	1.6 (W) x 2.9 (H) / 1.3 (W) x 2.9 (H)	Character size (mm)
95 Alphanumeric, 32 International, 128 x 9 Graphic Bar code: UPC-A, UPC-E, JAN13 (EAN), 2 of 5 (ITF), CODE39, CODE93, CODE128	ASCII, WPC1252, PC437, PC850, PC852, PC858, PC860, PC863, PC865, PC866 Custom Graphic, Bar code: UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), 2 of 5 (ITF), CODE39, CODE93, CODE128, CODABAR (NW7)	95 Alphanumeric 32 International 128 x 10 Graphic	95 Alphanumeric 32 International 128 x 3 Graphic	Print Font Character set
16.4 cpi / 20 cpi	15 cpi (Font A) / 20 cpi (Font B)	16.7 cpi / 12.5 cpi	13.5 cpi / 16.2 cpi	Characters Per Inch
RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F	RS-232, Bi-directional parallel RS-485, USB, 10 Base-T I/F	RS-232, Bi-directional parallel, RS-485, USB, 10 Base-T I/F	RS-232, Bi-directional parallel	Interfaces*
4 KB or 45 bytes	4 KB or 512 bytes	4 KB or 69 bytes	512 bytes or 35 bytes	Data buffer
Receipt: 10.1 lps (at 42 columns) / 14.7 lps (at 51 columns) Slip: 4.9 lps (at 130 columns) / 7.3 lps (at 158 columns)	Character: 14.7 lps (8 lines / inch) Graphic: 43 mm / sec. (76 mm width paper, Full columns print)	311 / 233 cps	2.1 lps	Print speed
Receipt: 76 ± 0.5 x dia. 83.0 Slip: (W) 68 to 215.9 (L) 68 to 297.0	57.5 ± 0.5, 69.5 ± 0.5 76 ± 0.5, 82.5 ± 0.5	70 (W) x 70 (L) to 210 (W) x 297 (L)	80 (W) x 69 (L) to 182 (W) x 257 (L)	Dimensions (mm)
Receipt: 0.06 to 0.09 Slip: 0.09 to 0.15	0.06 to 0.11	0.09 to 0.2 (total thickness: ~ 0.36)	0.09 to 0.25 (total thickness with copy: ~ 0.35)	Thickness (mm)
–	–	One original and four copies	One original and two copies	Copy capability
Ink Cartridge: SJIC1 (Black)	Ink Cartridge: SJIC5 (Black for TM-J2000) SJIC3 (Black for TM-J2100) SJIC4 (Red, Blue, Green for TM-J2100)	ERC-31 (Purple, Black)	ERC-27 (Purple)	Inked ribbon
Ink Life: 12 x 10 ⁶	Ink Life: 24 x 10 ⁶ (Mono) 17 x 10 ⁶ (2 colors)	Purple: 7 x 10 ⁶ Black: 4.5 x 10 ⁶	15 x 10 ⁵	Ribbon Life (characters)
AC 85 V - 264.5 V (only for single phase)		24 VDC ± 10%		Power
25 W (Operating)	Approx. 1 A (Operating)	Approx. 1.9 A (mean)	Approx. 600 mA (mean)	Power consumption
		2 drivers		D.K.D.function
		18 x 10 ⁴ hours		MTBF
				Reliability
37 x 10 ⁶ lines	50 x 10 ⁶ lines	29 x 10 ⁶ lines	7 x 10 ⁶ lines	MCBF
325 (W) x 300 (D) x 200 (H)	195 (W) x 250 (D) (275 D with overhanging ledge) x 195 (H)	252 (W) x 266 (D) x 185 (H)	180 (W) x 190.5 (D) x 101.5 (H)	Overall dimensions (mm)
9.0 kg	4.7 kg	5 kg	1.6 kg	Mass (Approx.)
VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	VCCI class A, FCC class A, CE marking, Canada EMI, AS / NZS 3548		VCCI class A, FCC class A, CE marking, AS / NZS 3548 class B	EMC standards
Universal power supply is built in		PS - 170		Power supply (option)
		–		Factory Options
				Safety Standards

UL / CSA / TÜV (EN60950)

cps: characters per second