TDM Series
Mobile Receipt Printer
Small Yet Extensive to Mobilize Your Workflow

Smart Battery*
(TDM-30 only)
- 3030mAh to monitor battery health and capacity

User Interface
- LED version : 5 LED status indicator
- LCD version: LCD with 2 LED status indicator (TDM-30 only)

Printhead
- Self-Diagnostic TPH Care mechanism detects bad dot for high-quality printouts

Rugged Pocket Size Design
- Lightweight; less than 400g
- IP42; IP54 with case
- MIL-STD 810G drop
- 1m tumble with case
- 2.5m drop with case

Standard Model

TDM-20 (2")   TDM-30 (3")

LED

LCD

Media Support*

Linerless kit

Media spacer for specific fixed media width applications

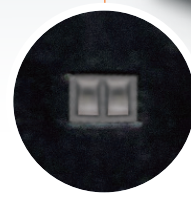Adjustable media hanger kit supports 20 ~ 70mm media width (TDM-30 only)

Media
- TDM-20: width 58mm, max. OD 30mm
- TDM-30: width 80mm, max. OD 40mm
- Type: receipt paper, bline receipt paper (black mark on either side), label with gap

Media Sensor
- Default black mark sensor; reserved extra sensor position on left or right
- See-through gap sensor (TDM-30 only)

Seamless Connectivity
- NFC tap-to-pair for Bluetooth
- 802.11 a/b/g/n Wi-Fi with Bluetooth 4.2
- Certified MFi Bluetooth® 5.0

* Optional feature, please contact your local sales representative

Full Line of Accessories

| Protective Case with Shoulder Strap | Shoulder Strap | Belt Clip | Li-ion Smart Battery | 1-Slot Docking Cradle | 4-Slot Docking Cradle | 1-Slot Battery Charger | 4-Slot Battery Charger | Vehicle Mount Kit |

TDM Series | Datasheet

Model	TDM-30	TDM-20
Resolution	8 dots/mm (203 dpi)	
Printing Method	Direct Thermal	
Max. Print Speed	Up to 102mm (4")/second	
Max. Print Width	72mm (2.83")	48mm (1.89")
Max. Print Length	2,794mm (110")	
Enclosure	Plastic	
Physical Dimension (W x H x D)	105.0mm x 116.0mm x 49.5mm (4.13" x 4.57" x 1.95")	79.0mm x 116.0mm x 36.5mm (3.11" x 4.57" x 1.44")
Weight (Including Battery)	0.375 kg (0.83 lbs)	0.215 kg (0.47 lbs)
Drop Specification	1.8 m (5.9 ft), with IP54 case can be 2.5 m (8.2 ft)	
IP Rating	IP42 (w/o case), IP54 (w/ case)	
Max. Roll Capacity	40mm (1.6") OD	30mm (1.2") OD
Processor	32-bit RISC CPU	
Memory	16 MB Flash memory / 32 MB SDRAM	
Interface	Either one selected: USB 2.0 + MFi Bluetooth 5.0 + Passive NFC tag / USB 2.0 + 802.11 a/b/g/n wireless with Bluetooth 4.2 + Passive NFC tag	
Power	7.4V DC, 3080mAh Li-ion rechargeable battery	7.4V DC, 1130mAh Li-ion rechargeable battery
Operation Switch, Button	3 buttons (On/off, feed, and cover-open)	
User Interface	Either one selected: 1 LED for printer status, 3 LEDs for battery status, 1 LED for wireless status / 1 LCD, 1 LED for printer status, 1 LED for wireless status	1 LED for printer status, 3 LEDs for battery status, 1 LED for wireless status
Sensors	Head open sensor / Reflective sensor mode (default) / Transmissive sensor mode (factory option)	Head open sensor / Reflective sensor
Internal Fonts	8 alpha-numeric bitmap fonts / One Monotype Imaging® CG Triumvirate Bold Condensed scalable font	
Bar Code	1D bar code: Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleave 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST, GS1 Data bar / 2D bar code: PDF-417, Maxicode, DataMatrix, QR code, Aztec	
Printer Language	TSPL-EZD (EPL2, ZPL2, DPL), ESC-POS or CPCL emulation	
Media Type	Reflective sensor model: receipt paper, bline receipt paper (black mark in printing side) & selected label / Transmissive sensor model: receipt paper, bline receipt paper (black mark in printing side or backside) & label with gap.	Reflective sensor model: receipt paper, bline receipt paper (black mark in printing side) & selected label
Media Width	Max 80mm (3.15") *with media hanger: 20 ~ 70mm (0.79" ~2.76") (user option)	Max 58mm (2.28")
Media Thickness	0.06 ~ 0.16mm (2.4 ~ 6.3 mil)	0.06 ~ 0.10mm (2.4 ~ 3.9 mil)
Media Height	Label: Min. 25.4mm (1")	
Environment Condition	Operation: –15 ~ 50°C (5 ~ 122 °F), 10 ~ 90% non-condensing / Storage: -30 ~ 70°C (-22 ~ 158 °F), 10 ~ 90% non-condensing	
Safety Regulation with Bluetooth Model	CB, FCC, IC, BC, NOM (IFETEL), CCC (SRRC), CE, EAC (FAC), NTRA, BIS (WPC), RCM, IMDA, NBTC, SDPPI, MIC, MSIP, BSMI (NCC), EN50498	
Safety Regulation with Wi-Fi Model	CB, FCC, IC, CCC (SRRC), CE, EAC (FAC), BIS (WPC), RCM, BSMI (NCC), EN50498	
Environmental Concern	Comply with RoHS, WEEE, REACH	
Accessories	Quick start guide / Li-ion battery	Belt clip / Power adapter
Limited Warranty	Printer: 2 years / Print head: 25 km (1 million inches) or 12 months which comes first / Platen: 50 km (2 million inches) or 12 months which comes first	
Factory Options	802.11 a/b/g/n with Bluetooth 4.2 / Printer ready for docking cradle / Enhanced print head — Vehicle mount kit / Linerless kit	802.11 a/b/g/n with Bluetooth 4.2 / Printer ready for docking cradle — Vehicle mount kit / Linerless kit
User Options	Micro type USB 2.0 cable / 12-60V DC Vehicle Power Adaptor / 12-24V DC Vehicle Power Adaptor — Li-ion battery / CD	Micro type USB 2.0 cable / 12-60V DC Vehicle Power Adaptor / 12-24V DC Vehicle Power Adaptor — Li-ion battery / CD

Compatible Accessories

Description	Compatible Models					
	TDM-30	TDM-20	A40L/ RFID	A30L	A30R Premium	A30R Basic
Shoulder Strap	V	V				
Belt Clip	V	V				
Li-ion Smart Battery 3030mAh	V			V	V	V
1-Slot Battery Charger	V			V	V	V
4-Slot Battery Charger	V			V	V	V
12-24V DC Vehicle Power Adaptor	V	V	V	V	V	V
12-60V DC Vehicle Power Adaptor	V	V	V	V	V	V
Battery Eliminator (3 inch)	V			V	V	V
USB Cable	V	V				

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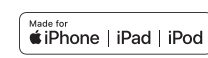
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