

# zenpert

## 4T520

Desktop Thermal Transfer  
Bar Code Printer

USER FRIENDLY DESIGN,  
THE PERFECT FIT!



Fast speed  
printing



User friendly  
design



Varied printing  
application



Reliable &  
stable



Power saving



Clear print  
quality

## Feature

- Smooth printing experience
- Large supplies capacity – 300 meters (984') ribbon supply or 110 meters (361') ribbon supply on a 12.7 mm (0.5") core
- Print width up to 108 mm–supports multiple media types
- Position adjustable sensor – print precisely
- Automatic calibration – speed up printing test
- Media window design – easily check supplies stock status
- High-class thermal printing head – clear print quality and enhance durability
- User friendly design for easy installing media and ribbon
- USB 2.0 fast transmission speed
- Print quietly – low operation noise providing quality working environment
- Optimized heat radiation design – durable for large volume printing

## Advantages



Compact design and stable  
performance



Two printing methods –  
support direct thermal &  
thermal transfer



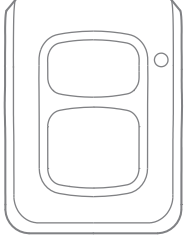
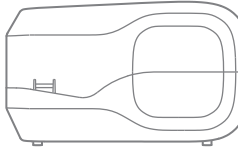
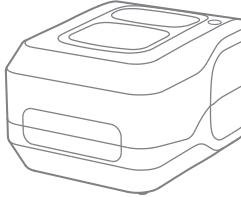
Varied printing  
application –  
offer labeling software



Print fast (6 ips) –  
save working time

## 4T520

## Desktop Thermal Transfer Bar Code Printer

<b>PRINTER MODEL</b>	4T520	
<b>Resolution</b>	8 dots/mm (203 DPI)	
<b>Printing method</b>	Thermal Transfer & Direct Thermal	
<b>Max. print speed</b>	152 mm(6")/ second	
<b>Max. print width</b>	108 mm (4.25")	
<b>Max. print length</b>	25,400 mm (1,000")	
<b>Enclosure</b>	PC and ABS plastic	
<b>Physical dimension</b>	211 mm(W) x 164 mm(H) x 279 mm(D) 8.31"(W) x 6.46"(H) x 10.98"(D)	
<b>Weight</b>	2.0 kg (4.41 lbs.)	
<b>Label roll capacity</b>	127 mm (5")OD	
<b>Ribbon</b>	300 m long, max. OD 67 mm, 1" core (ink coated outside) 110 m long, max. OD 40 mm, 0.5" core (ink coated outside)	
<b>Ribbon width</b>	40 mm ~ 110 mm (1.6" ~ 4.3")	
<b>Processor</b>	32-bit RISC CPU	
<b>Memory</b>	· 16 MB Flash memory · 64 MB SDRAM	
<b>Interface</b>	USB 2.0	
<b>Power</b>	External universal switching power supply · Input : AC 100-240V, 2.0A, 50-60Hz · Output : DC 24V, 2.0A, 48W	
<b>Operation switch, button, LED</b>	· 1 Power switch · 1 operation button (pause/feed) · 1 LED (3 colors : green \ orange & red)	
<b>Sensors</b>	· Transmissive gap sensor · Black mark reflective sensor · Ribbon end sensor · Head open sensor	
<b>Internal fonts</b>	· 8 alpha-numeric bitmap fonts · Windows font can be downloaded by software	
<b>Bar code</b>	· 1D barcode Code 128UCC, Code 128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Code 39, Code 39 with check digit, Code 93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, Code 11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS · 2D barcode GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417	
<b>Font and barcode rotation</b>	0° \ 90° \ 180° \ 270°	
<b>Printer language</b>	TSPL-EZD (Compatible with EPL, ZPL, ZPL II, DPL)	
<b>Media type</b>	Continuous \ die-cut \ black mark \ fan-fold (outside wound)	
<b>Media width</b>	19 ~ 118 mm (0.8" ~ 4.6")	
<b>Media thickness</b>	0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)	
<b>Media core diameter</b>	25.4 mm (1.0")	
<b>Label length</b>	5 ~ 25,400 mm (0.2" ~ 1000")	
<b>Environment condition</b>	Operation: 0 ~ 40°C, humidity (non-condensing) 10 ~ 85% Storage: -20 ~ 60°C, humidity (non-condensing) 5 ~ 90%	
<b>Safety regulation</b>	BIS, KC	
<b>Environmental concern</b>	Comply with RoHS, REACH, WEEE	
<b>Accessories</b>	· Quick start guide · USB cable · Power cord · External universal switching power supply · Label spindle x 1, fixing tab x 2 · 1" ribbon spindle x 2 · 0.5" ribbon spindle x 2	

Part number	Description
2024070028	Zenpert 4T520