



# Industrial thermal transfer printer for barcodes

# Apix 251



## Fast, high-volume printing with advanced capabilities processing and sophisticated connectivity

- Multiple connectivity
- Dynamic remote printer management
- Print speeds up to 356 mm (14") per second.
- LCD touch screen panel with 6-button control
- Available in 203 dpi, 300 dpi and 600 dpi resolutions,
- Ribbon up to 600 meters
- MicroSD flash memory expansion up to 32 GB
- Metal frame with folding cover and with a large transparent window for viewing of the media



The Apix 251 industrial label printer is the successor model to the Apix 250S printer.

Capable of meeting the most demanding requirements of any industry, the printer offers high printing performance, accurately reproducing two-dimensional barcodes, fonts and graphics even in small sizes.

The Apix 251 is equipped with a premium printhead that ensures print quality and speed. It enables advanced functionality and sophisticated features. It finds applications in industrial printing, logistics, hospitality, healthcare and security.

## Applications

- Industrial Printing
- Logistics
- Transports
- Hospitality
- Healthcare
- Security



Apix 251			
	8 dots	12 dots	24 dots
<b>Resolution</b>	8 dots/mm (203 DPI)	12 dots/mm (300 DPI)	24 dots/mm (600 DPI)
<b>Printing method</b>	Thermal Transfer and Direct Thermal		
<b>Max. print speed</b>	356 mm (14")/second	305 mm (12")/secondo	152 mm (6")/secondo
<b>Max. print width</b>	104 mm (4.09")		
<b>Max. print length</b>	25,400 mm (1,000")	11.430 mm (450")	2.540 mm (100")
<b>Enclosure</b>	Die-cast print mechanism and base with bi-fold metal cover with large clear media view window		
<b>Dimensions</b>	276 mm (W) x 326 mm (H) x 502 mm (D) - 10.87" (W) x 12.83" (H) x 19.76" (D)		
<b>Weight</b>	15.70 kg		
<b>Label roll capacity</b>	203.2 mm (8") OD		
<b>Internal rewinder (full roll)</b>	Internal rewinding kit (5" O.D.) (dealer option)		
<b>Ribbon</b>	600 m long, max. O.D. 90 mm, 1" core (ink coated outside or inside)		
<b>Ribbon width</b>	25.4 mm ~ 114.3 mm (1" ~ 4.5")		
<b>Processor</b>	32-bit RISC CPU		
<b>Memory</b>	<ul style="list-style-type: none"> <li>• 512 MB Flash memory</li> <li>• 256 MB SDRAM</li> <li>• microSD Flash memory card reader for Flash memory expansion, up to 32 GB</li> </ul>		
<b>Interface</b>	<ul style="list-style-type: none"> <li>• RS-232</li> <li>• USB 2.0 (High speed mode)</li> <li>• Internal Ethernet, 10/100 Mbps</li> <li>• USB host *2 (Front side), for scanner or PC keyboard</li> <li>• GPIO (DB15F) + Centronics (factory option)</li> <li>• Internal Bluetooth 5.0 MFi (factory option)</li> <li>• Slot-in 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module (dealer option)</li> </ul>		
<b>Power</b>	Internal switching power supply <ul style="list-style-type: none"> <li>• Input: AC 100-240V, 4-2A, 50-60Hz</li> <li>• Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W</li> </ul>		
<b>LCD</b>	4.3" color display, 480 x 272 pixel; Resistive touch screen		
<b>LCD display/ Operation buttons</b>	Multi-language selectable, 6 operation buttons, 1 LED (with 2 LEDs Green & Red)		
<b>Sensors</b>	<ul style="list-style-type: none"> <li>• Gap transmissive sensor (position adjustable)</li> <li>• Black mark reflective sensor (Bottom or Top black mark sensor switchable and position adjustable)</li> <li>• Head open sensor</li> <li>• Ribbon encoder sensor</li> <li>• Ribbon end sensor</li> <li>• Media near end sensor</li> </ul>		
<b>Real time clock</b>	Standard		
<b>Internal font</b>	<ul style="list-style-type: none"> <li>• 8 alpha-numeric bitmap fonts</li> <li>• Monotype Image® true type font engine with CG Triumvirate Bold Condensed scalable font</li> </ul>		
<b>Barcode</b>	1D barcode 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, RSS-Stacked, GS1 DataBar, Code 11, China Post 2D barcode PDF-417, Maxicode, DataMatrix, QR code, Aztec		
<b>Font &amp; barcode rotation</b>	0, 90, 180, 270 degree		
<b>Printer language</b>	TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)		

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<b>Media type</b>	Continuous, die-cut, black mark (Bottom side or top side black mark), fan-fold, notch, perforated, tag, care label (outside wound)		
<b>Media width</b>	20 ~ 114 mm (0.79" ~ 4.5")		
<b>Media thickness</b>	0.06 ~ 0.28 mm (2.36 ~ 28 mil)		
<b>Media core diameter</b>	38.1 ~ 76.2 mm (1.5" ~ 3")		
<b>Label length</b>	5 ~ 25,400 mm (0.20" ~ 1,000")		
<b>Environment condition</b>	Operation: 0 ~ 40°C, 25 ~ 85% senza condensa Storage: -40 ~ 60°C, 10 ~ 90% senza condensa		
<b>Safety regulation</b>	CE Class A		
<b>Environmental concern</b>	Comply with RoHS, WEEE		
<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Windows labeling software CD disk</li> <li>• Quick start guide</li> <li>• USB port cable</li> <li>• Power cord</li> </ul>		
<b>Factory option</b>	<ul style="list-style-type: none"> <li>• GPIO (DB15F) + Parallel interface</li> <li>• Internal Bluetooth 5.0 MFi*</li> </ul>		
<b>Dealer option</b>	<ul style="list-style-type: none"> <li>• Regular cutter (full cut guillotine cutter)</li> <li>• Heavy-duty cutter (full cut guillotine cutter)</li> <li>• Care label cutter</li> <li>• 1" I.D. core media spindle</li> <li>• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 4.2 combo module (including slot-in housing) *</li> <li>• Peel-off kit</li> <li>• Internal rewriter kit (5" O.D.)</li> </ul>		
<b>User option</b>	<ul style="list-style-type: none"> <li>• Basic cutter tray</li> <li>• Advanced cutter tray</li> <li>• Universal cutter tray</li> <li>• KP-200 Plus keyboard display unit</li> </ul>		

