



## TK180

The smallest combined printer with high reliability features

TK180 is the smallest and highly reliable printer available. Optional paper roll holder. TK180 is equipped with a powerful internal processor and Hot swap function. Printing > 200 mm/s. The Ethernet, RS232 and USB interfaces assure easy and flexible integration. In addition to the most common sensors, it is also provided with the new mobile sensor, capable of identifying black marks or gaps on any type of paper. TK180 has an automatic sensor calibration feature which is automatically activated every time paper is loaded and prevents any ticket wastage thereby contributing to environmental sustainability and reducing management costs.



## CHARACTERISTICS

- The smallest printer on the market: just 130 x 185.9 x 118.9 H mm (5.1" x 7.2" x 4.6" H)
- Very fast: > 200 mm/sec (8"/sec)
- ETHERNET + RS232 + USB interfaces
- Paper width: from 20mm to 82.5mm
- Paper thickness: 70/255 gr/m2
- High-resolution display with strong ambient light
- Tear off
- 1D and 2D barcode printing (PDF417, DATAMATRIX, AZTEC, QR CODE)
- Automatic sensor calibration, no paper waste
- Embedded cables and wires

## FOCUS ON

- Label processing
- Suitable for printing on receipt paper on a roll
- True Font character support, any language available
- Sensors: Head temperature, paper presence, mobile detectors of black mark or translucent gap/hole (setting by software), cover open, external low paper

## APPLICATIONS

- Coupon/voucher printing
- Boarding pass and luggage tag printer (AEA)
- Parking ticket office
- Metro and bus ticket office
- Theme parks box office
- Healthcare wristband printing
- Label printing



## ACCESSORIES

- Roll holder

## What is in the box:

- Device, short guide, AC power cable, reducer for paper width, AC adapter
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## TECHNICAL SHEET

|                       |                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Printing Method       | Thermal with fixed head                                                                                                                                              |
| Number of dots        | 8 dots/mm                                                                                                                                                            |
| Resolution            | 203 DPI                                                                                                                                                              |
| Printing (mm/sec)     | 200 mm/sec to 203 dpi                                                                                                                                                |
| Character set         | PC437, PC850, PC860, PC863, PC865, International                                                                                                                     |
| Supported Barcode     | UPC-A, UPC-E, EAN13, EAN8, CODE39, ITF, CODABAR, CODE93, CODE128, CODE32, PDF417, DATAMATRIX, AZTEC, QR CODE                                                         |
| Printing Format       | Height and width from 1 to 8, bold, reverse, underlined, italic                                                                                                      |
| Printing Direction    | Straight, 90°, 180°, 270°                                                                                                                                            |
| Paper width           | from 20 mm to 82.5 mm                                                                                                                                                |
| Paper weight          | from 70 to 255 g/m <sup>2</sup>                                                                                                                                      |
| Paper thickness       | Max 270 µm                                                                                                                                                           |
| Printing width        | 80 mm                                                                                                                                                                |
| Roll Dimension        | 200 mm external diameter, 25 mm internal core, not coupled to the role core                                                                                          |
| Emulation             | CUSTOM/POS, SVELTA                                                                                                                                                   |
| Interfaces            | RS232 / USB / ETHERNET                                                                                                                                               |
| Data Buffer           | 16 Kbytes                                                                                                                                                            |
| Flash Memory          | 1 Mbytes internal + 8 Mbytes external (of which 4Mbytes available for user)                                                                                          |
| RAM Memory            | 128 Kbytes internal + 8 Mbytes external                                                                                                                              |
| Graphic Memory        | "Drag&Drop" graphics and logo                                                                                                                                        |
| Drivers               | Windows® (32/64 bit) – only on request WHQL and silent installation;<br>Linux (32/64 bit);<br>Virtual COM (Linux or Windows 32/64 bit);<br>OPOS;<br>Android™;<br>iOS |
| Software Tools        | PrinterSet, CustomPowerTool, Status Monitor                                                                                                                          |
| Power supply          | 24 Vdc±10% , 110Vac                                                                                                                                                  |
| Medium consumption    | 1.5A (12.5% dots turned on)                                                                                                                                          |
| MTBF                  | 113,000 hours (electronic board)                                                                                                                                     |
| Head Life             | 100Km / 100M pulses                                                                                                                                                  |
| Operating temperature | 0°C + 40°C                                                                                                                                                           |
| Dimensions            | W 130 mm x D 185.9 mm x H 118.9 mm                                                                                                                                   |
| Weight                | 1.9 Kg                                                                                                                                                               |

## MODELS



## **911HL021000733**

PRINTER TK180 RS232/USB/ETH

PLASTIC CASE

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The technical data on this website are not binding and may be changed without advanced notice.

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