



# **K80 - TORNADO PRINTER**

## 80mm ticket / receipt printer

- 200dpi best printing quality
- Paper width from 76 to 80mm
- Paper roll (diameter 180mm on board)
- RS232 and USB interface
- 1D/2D barcodes printing capability (QRCODE)
- International fonts on board: any language available
- Highly reliable cutter
- Sensors: Head temperature, paper presence, near paper end, black mark 6 position, ticket out













#### **CHARACTERISTICS**

#### Ideal solution for ATM's VTM's & Self Service Kiosk

- Ultra-compact
- Heavy-duty alluminium printing engine
- Anti-jamming system
- Anti-instrusion shutter
- Anti-splash paper exit
- On/off switch



**PrinterSet SOFTWARE:** to update logos, edit characters, set operating parameters and update the printer firmware. It allows you to create a file including the different SW customizations and send them to the printer via the interface provided, for easy and fast setting.

CustomPowerTool

#### **AVAILABLE VERSIONS:**

- K80 TORNADO PRINTER: With output paper mouth, anti intrusion shutter and ticket sensor, low paper level sensor for roll up to 180mm
- K80 PRINTING KIT: kit including printer mechanism, cutter & board, ideal for queue management

### **ACCESSORIES**

Near paper end sensor for paper roll exceeding 180mm













### **TECHNICAL SHEET**

Resolution 203 dpi  Printing (mm/sec) 150 mm/s  Character set 54 character code tables Extended chinese GB18030-2000, Korean PC949  Supported Barcode UPCA, UPCE, EAN13, EAN13, CODE39, ITF, CODABAR, CODE32, QRCODE  Printing Format Height/Width from 1 to 8, bold, reverse, underlined, italic  Printing Direction Normal, 90°, 180°, 270°  Paper weight 76, 80 ± 0,5 mm  Paper weight from 55 g/m2 to 80 g/m2  Paper thickness from 63 8m to 88 8m  Printing width from 52 to 80mm  Roll Dimension max 180 mm  Sensors Head temperature, paper presence, near paper end, black mark, ticket out  Emulation CUSTOM/POS  Interfaces US8 + RS332 Serial  Data Buffer 8 Kbytes  Elash Memory 128 Kbytes  Graphic Memory 109 (640x409 dots)  Windows XP  VISTA (32/64bit)  Windows X (32/64bit)  Windows X (32/64bit)  Windows X (32/64bit)  Windows X (32/64bit)  Linux (32/64bit)  Windows X (32/64bit)  Linux (32/64bit)  Windows X	Printing Method	Thermal, fixed head
Printing (mm/sec) 150 mm/s  Character set 54 character code tables Extended chinese 6818030-2000, Korean PC949  Supported Barcode UPCA, UPCE, EAN13, EAN8, CODE39, ITF, CODABAR, CODE32, QRCODE  Printing Format Height/Width from 1 to 8, bold, reverse, underlined, italic  Printing Direction Normal, 90°, 180°, 270°  Paper width 76, 80 ± 0,5 mm  Paper weight from 55 g/m2 to 80 g/m2  Paper thickness from 63 fbm to 88 fbm  Printing width from 52 to 80mm  Roll Dimension max 180 mm  Sensors Head temperature, paper presence, near paper end, black mark, ticket out  Emulation CUSTOM/POS  Interfaces USB + R5233 Serial  Data Buffer 8 Kbytes  Flash Memory 768 Kbytes internal, 4 Mbytes external  RAM Memory 128 Kbytes  Graphic Memory 10go (640x409 dots)  Windows X (32/64bit) Windows S 1.(32/64bit) Windows S 1.	Number of dots	8 dot/mm
Supported Barcode  Diversity Street Settended chinese GB18030-2000, Korean PC949  Extended chinese GB18030-2000, Korean PC949  Extended Chinese GB18030-2000, Korean PC949  Printing Format Height/Width from 1 to 8, bold, reverse, underlined, italic  Printing Direction Normal, 90°, 180°, 270°  Paper width 76, 80 ± 0,5 mm  Paper weight from 55 g/m² to 80 g/m²  Paper thickness from 63 lm to 88 lm  Printing width from 52 to 80 mm  Roll Dimension max 180 mm  Sensors Head temperature, paper presence, near paper end, black mark, ticket out  Emulation CUSTOM/POS  Interfaces USB + RS232 Serial  Data Buffer 8 kbytes  Flash Memory 768 Kbytes internal, 4 Mbytes external  RAM Memory 128 Kbytes  Graphic Memory 1 logo (640x409 dots)  Windows 72 VISTA (32/64bit) Windows 13 (32/64bit) Windows 8 (32/64bit) Windows 8 (32/64bit) Windows 1 (32/64bit) Linux (32/64bit) Windows 1 (32/64bit) Linux (32/64bit) Windows 1 (32/54b dots on)  MTBF 165 245 hours (electronic board)  Head Life 100 Km  MCBF 1,000.000 cut  Diperating temperature from 0°C to +50°C  Dimensions 258(L) x 103.5(H) x 135(W) mm	Resolution	203 dpi
Extended chinese GB18030-2000, Korean PC949  Supported Barcode UPCA, UPCE, EAN13, EAN8, CODE39, ITF, CODABAR, CODE39, CODE128, CODE32, QRCODE  Printing Format Height/Width from 1 to 8, bold, reverse, underlined, italic  Printing Direction Normal, 90°, 180°, 270°  Paper width 76, 80 ± 0,5 mm  Paper weight from 55 g/m2 to 80 g/m2  Paper thickness from 63 80m to 88 80m  Printing width from 52 to 80mm  Roll Dimension max 180 mm  Sensors Head temperature, paper presence, near paper end, black mark, ticket out  Emulation CUSTOM/POS  Interfaces USB + RS232 Serial  Data Buffer 8 Kbytes  Flash Memory 128 Kbytes  Graphic Memory 128 Kbytes  Graphic Memory 120 (640x409 dots)  Windows XP  VISTA (32/64bit)  Windows XP  VISTA (32/64bit)  Windows 8 (32/64bit)  Windows 1 (32/54bit)  Windows 1 (32/5	Printing (mm/sec)	150 mm/s
Printing Format Height/Width from 1 to 8, bold, reverse, underlined, italic  Printing Direction Normal, 90°, 180°, 270°  Paper width 76, 80 ± 0,5 mm  Paper weight from 55 g/m2 to 80 g/m2  Paper thickness from 63 8m to 88 8m  Printing width from 52 to 80mm  Roll Dimension max 180 mm  Sensors Head temperature, paper presence, near paper end, black mark, ticket out  Emulation CUSTOM/POS  Interfaces USB + RS232 Serial  Data Buffer 8 Kbytes  Flash Memory 768 Kbytes internal, 4 Mbytes external  RAM Memory 128 Kbytes  Graphic Memory 1 logo (640×409 dots)  Drivers Windows XP VISTA (32/64bit) Windows 8.1 (32/64bit) Windows 8.1 (32/64bit) Windows 8.1 (32/64bit) Linux (32/64bit) Linux (32/64bit) Linux (32/64bit) Medium consumption 0.8 A (12,5% dots on)  MTBF 165 245 hours (electronic board)  MCBF 1.000.000 cut  Diperating temperature from 0°C to +50°C  Dimensions 258(L) x 103.5(H) x 135(W) mm	Character set	
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Flash Memory 768 Kbytes internal, 4 Mbytes external  RAM Memory 128 Kbytes  Graphic Memory 1 logo (640x409 dots)  Windows XP VISTA (32/64bit) Windows 7 (32/64bit) Windows 8 (32/64bit) Windows 8.1 (32/64bit) Windows 8.1 (32/64bit) Linux (32/64bit) Linux (32/64bit) Power supply 24 Vdc ±10% (optional external power supply)  Medium consumption 0.8 A (12,5% dots on)  MTBF 165 245 hours (electronic board)  Head Life 100 Km  MCBF 1.000.000 cut  Operating temperature from 0°C to +50°C  Dimensions 258(L) x 103.5(H) x 135(W) mm	Interfaces	USB + RS232 Serial
RAM Memory 128 Kbytes Graphic Memory 1 logo (640x409 dots)  Drivers Windows XP VISTA (32/64bit) Windows 8 (32/64bit) Windows 8.1 (32/64bit) Windows 8.1 (32/64bit) Linux (32/64bit) Power supply 24 Vdc ±10% (optional external power supply)  Medium consumption 0.8 A (12,5% dots on)  MTBF 165 245 hours (electronic board)  Head Life 100 Km  MCBF 1.000.000 cut  Operating temperature from 0°C to +50°C  Dimensions 258(L) x 103.5(H) x 135(W) mm	Data Buffer	8 Kbytes
Graphic Memory         1 logo (640x409 dots)           Windows XP VISTA (32/64bit) Windows 7 (32/64bit) Windows 8 (32/64bit) Windows 8.1 (32/64bit) Linux (32/64bit)           Power supply         24 Vdc ±10% (optional external power supply)           Medium consumption         0.8 A (12,5% dots on)           MTBF         165 245 hours (electronic board)           Head Life         100 Km           MCBF         1.000.000 cut           Operating temperature         from 0°C to +50°C           Dimensions         258(L) x 103.5(H) x 135(W) mm	Flash Memory	768 Kbytes internal, 4 Mbytes external
Windows XP	RAM Memory	128 Kbytes
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Medium consumption       0.8 A (12,5% dots on)         MTBF       165 245 hours (electronic board)         Head Life       100 Km         MCBF       1.000.000 cut         Operating temperature       from 0°C to +50°C         Dimensions       258(L) x 103.5(H) x 135(W) mm	Drivers	VISTA (32/64bit) Windows 7 (32/64bit) Windows 8 (32/64bit) Windows 8.1 (32/64bit)
MTBF 165 245 hours (electronic board)  Head Life 100 Km  MCBF 1.000.000 cut  Operating temperature from 0°C to +50°C  Dimensions 258(L) x 103.5(H) x 135(W) mm	Power supply	24 Vdc ±10% (optional external power supply)
Head Life       100 Km         MCBF       1.000.000 cut         Operating temperature       from 0°C to +50°C         Dimensions       258(L) x 103.5(H) x 135(W) mm	Medium consumption	0.8 A (12,5% dots on)
MCBF 1.000.000 cut  Operating temperature from 0°C to +50°C  Dimensions 258(L) x 103.5(H) x 135(W) mm	MTBF	165 245 hours (electronic board)
Operating temperature from 0°C to +50°C Dimensions 258(L) x 103.5(H) x 135(W) mm	Head Life	100 Km
Dimensions 258(L) x 103.5(H) x 135(W) mm	MCBF	1.000.000 cut
	Operating temperature	from 0°C to +50°C
Neight 1250 g	Dimensions	258(L) x 103.5(H) x 135(W) mm
	Weight	1250 g

## **MODELS**













915LC011100300 PRINTER K80 USB RS232 SHUT+NOTCH+MOUTH



976LC010000001 KIT MECHANISM + CUTTER + **BOARD K80** 

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