



*Extreme Temperature Range
(-30°C to +70°C)*

High Resolution (8 dots/mm)

High Speed (50 mm/s)

Full- or Partial-Cutting Option

Two-Year Factory Warranty

FutureLogic KBM Series of direct thermal printers have been specifically designed for harsh outdoor kiosk applications such as gas pumps, parking and transit pay stations. While competitive products are limited to a range of approximately 0°C to 50°C, FutureLogic's KBM Series can operate without a glitch at temperature ranges between -30°C to +70°C.

The KBM Series are packaged in a compact enclosure and are available in models capable of handling 60mm (KBM-60), 80mm (KBM-80) and 112mm (KBM-112) paper widths. The printers can be mounted either horizontally or vertically, and feature both manual and automatic paper loading options. All models feature 8-inch paper rolls, auto cutters, passive chute presentation and page printing mode. Paper advance, cutter activation, error/status indicators, and the option to print multiple copies are standard features.

The printers can be easily upgraded through a Windows-compatible communications interface without the need to remove the printer. Other user-friendly features such as integrated sensors to indicate paper jams, paper out, paper low help reduce downtime.

For a comprehensive list of features and technical specifications, please contact FutureLogic engineers at info@futurelogic-inc.com.

General

Dimensions (WxDxH)	174.8mm x 305.6mm x 225.6mm (241.3mm H with 8" paper roll)
Weight	14.5 lbs.
Power Requirements	24Vdc @ 2A Average (4.5A Peak \pm 10%)
Sensors	Paper Low, Paper Out, Paper Jam, Black Mark
Printing Speed	50mm/Second (2"/Second)
Printing Area	56mm (KBM-60), 72mm (KBM-80), 104mm (KBM-112)
Printing Method	Direct Thermal, Top Coated, Fanfolded and Perforated
Resolution	8 dots/mm (203 dpi)
Firmware	Application in Memory is Reprogrammable (via Flash BIOS)
Self Test	Included
Page Mode	Full Page Mode Printing (Simultaneous 4 Orientation Printing: 0°, 90°, 180°, 270°) Line and Box Draw Printer Resident Bitmap Graphics Printer Resident (Stored in Flash) Graphics
Paper Width	60mm (KBM-60), 80mm (KBM-80), 112mm (KBM-112)
Paper Roll	203.2 mm (8") Maximum Diameter
Paper Cutting Method	Electric (Partial or Full Cut)
Paper Loading	Automatic or Manual
Paper Feed	Manual
Bezel Control	Two High Current Ticket Printing Bezel Control Ports
Mounting Orientation	Horizontal or Vertical with Left or Right Paper Access
User Interface	2 LED Indicators (Status & Error), Paper Advance, Cutter Activate

Promotional Printing

Template Capacity	15 Templates
Graphic Storage	Downloadable PCX Graphics, Line & Box Draw Functions

Characteristics

Printer Languages	TCL Printer Language (Page Description Language) Subset of ESCP2
Fonts	8.5 pt (20.5 cpi) Bold San Serif 9.2 pt (10.1 cpi) Bold San Serif 10.6 pt (7.3 cpi) Bold San Serif 13.8 pt (5.5 cpi) Bold San Serif
Font Orientation	4 Simultaneous Orientations (0°, 90°, 180°, 270°)
Font Scalability	May be Printed Proportionally or Fixed Pitch
Bar codes	17 Standard Barcodes
Memory	512k Flash & 128K RAM

Interface

Communications	Serial Bi-directional RS232C 8-Bit Parallel (Centronics) DB-25
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Environmental

Operating temperature	-30°C to +70°C
Storage temperature	-30°C to +70°C
Operating humidity	5 to 95% RH

Reliability

Maintenance	No User Maintenance Required
Print Head Life	20 Million Character Lines Min., 100km Abrasion Resistance

