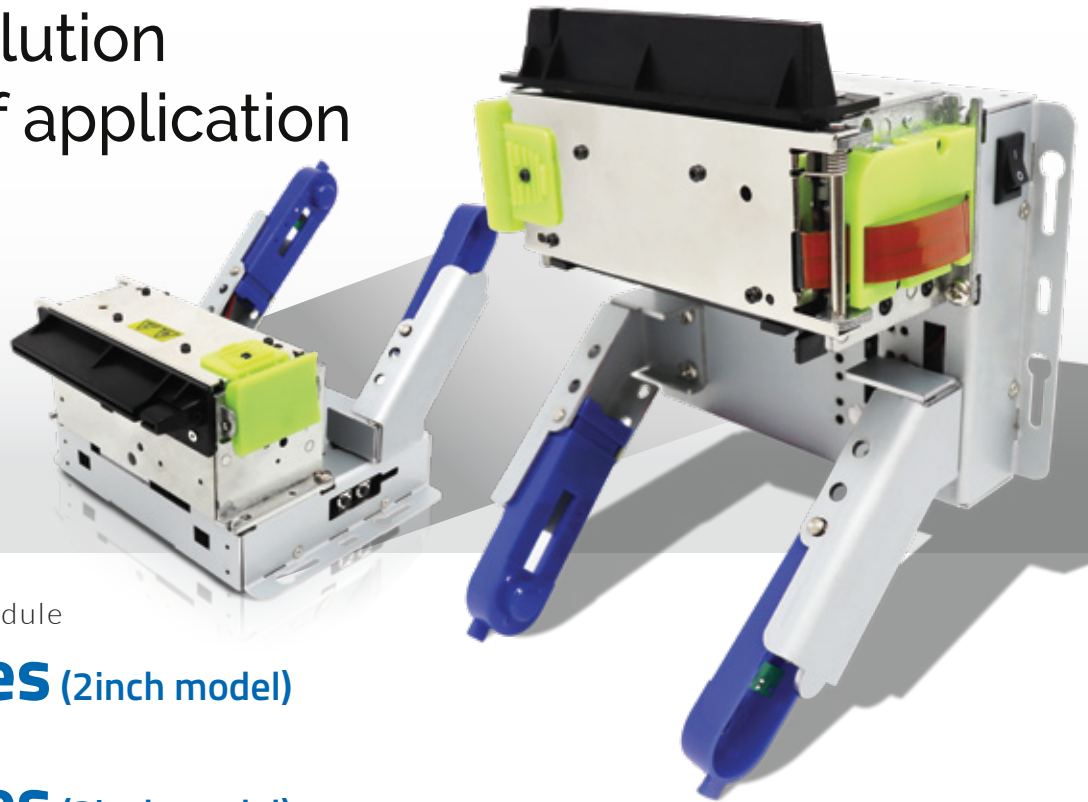


2 or 3 inch Thermal
Kiosk Receipt Printer Mechanism model

Optimized solution to a variety of application



KIOSK Thermal printer module

SMK2S Series (2inch model)

: V80, V120 / H80, H120

SMK3S Series (3inch model)

: V80, V120 / H80, H120



KEY FEATURES in common



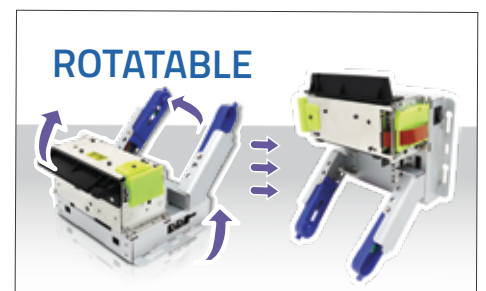
Easy paper Loading with elastic paper holder

Paper remaining alarm sensor have users informing of the replacement time

Customized cutting method (Full cut or Partial cut)



Outstanding Ease of Development with all-in-one structure Printer + Control Board + Paper Holder



Applicable to a variety type of Kiosk with Horizontal & Vertical type of printer.

GENERAL FEATURES

- Run on a general operating systems such as Android, Window, WinCE, Java, OPOS.
- High performance and reliability with print speed 250mm/s
- Compatible with 2 types of paper type : Roll & fanfold
- 3 Paper sensors equipped Paper end, Black mark, Gap Sensor (option: Paper out sensor)
- Sturdy design to enhance Durable works in various environments.
 - Operating Temperature : 0°C to 50°C
 - Operating Humidity : 10 to 80% RH
 - Operating Voltage : 24 DCV±10% (Vp line : TPH, Step motors)
- A long product life with Abrasion resistance, 200Km
- Value added printing solution well suited for Kiosk products
- Produced by printer-expert with 23years Experiences in the filed.

SMK2S Series

SMK3S Series

2-Inch Kiosk Printer : V80, V120 / H80, H120

3-Inch Kiosk Printer : V80, V120 / H80, H120

SPECIFICATIONS

PRINTER SPECIFICATIONS

Print Method

Thermal line printing

Dot density

203dpi x 203dpi

Printing direction

Unidirectional with friction feed

Printing Width

2S : 54mm (2.12"), 432 dot positions (203dpi)

3S : 72mm (2.83"), 576 dot positions (203dpi)

80mm (3.15"), 640 dot positions (203dpi)

Characters per Line(default)

2S : Font A : 12*24 (CPL 36 or 42)

Font B : .9*17 (CPL 42 or 48)

3S : Font A : 48 CPL (12x24)

Font B : 64 CPL (9x17)

Printing speed

High speed mode: (203dpi x 203dpi)

2S : Approximately 250mm/sec maximum

3S : Approximately 220mm/sec maximum

(1/6inch feed) (at 24V, 20°C)

Line spacing (default):

1/6 inch (4.23mm)

Programmable by control command.

REALIABILITY

MCBF

60 million lines

Cutter life

1,500,000 cuts with thickness 65 μ m,

and/or TPH Life 200km

CHARACTER SPECIFICATIONS

Alphanumeric characters : 95

Extended graphics 128 × 7 pages

(* including one space page)

International characters : 32

1) English

2) Hangul

3) Chinese (GB2312, Big5)

4) Kanji

PAPER ROLL SUPPLY DEVICE

Thermal paper specifications

Recommended : 79 ± 0.5 mm

Thickness : 60 ~ 150 μ m

Width : 2S : 25 ~ 60mm

3S : 58 ~ 82mm

Outer Diameter : Ø 80 ~ 120 mm

Roll Core : Inside diameter : Ø13 mm

INTERNAL BUTTER

Receive buffer : 20 K Bytes

ELECTRICAL CHARACTERISTICS

Supply voltage

+24 VDC ± 7%

Current consumption (at 24V)

Operating : Approx. 1.5A (at ASCII Printing)

Peak : Approx. 10A (at print duty 100%,

For 10 seconds or less)

Stand-by : Approx. 0.03A

ENVIRONMENTAL CONDITIONS

Temperature

Operating : 2S : 5° to 50°C

3S : 0° to 50°C

Storage : -20° to 60°C (except for paper)

Humidity

Operating : 10 to 90%RH

Storage : 10 to 90%RH (except for paper)

Interface

Standard : USB 2.0 / Serial (RS232C)

Driver

Windows, WinCE, Android, Java, OPOS, Linux

Cover open sensor

Mechanical switch

Auto Cutter





Partial cut : Cutting with one point center uncut

Full cut : to prevent dot displacement, after cutting,
paper must be fed approximately 1mm(14/360 inches)
or more before printing.

PACKING

Power Supply, AC Cord, USB, Serial Cable

Product types

Type	SMK2S (2-inch)	SMK3S (3-inch)
Vertical	 V80 / V120	 V80 / V120
Horizontal	 H80 / H120	 H80 / H120



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