edito® Kiosk Printer

A perfect solution always starts with an ingenious idea...

Our new industrial Kiosk Printer family ˝edito˝ provides the perfect solution for your individual needs. Fast, reliable and variable: these are the core statements which define these high-quality manufactured Kiosk Printers. In addition to the base model there is an output control model with a push and pull detection function available. A presenter model including a presenter control module and a presenter/retractor model with internal printing function is completing this advanced printer series. For easy setup and control of the printer a sophisticated firmware is provided. Many internal fonts have already been embedded, additional fonts can be downloaded for character sizes from 6x8 to 64x64 dots. The printer can operate with paper widths from 58 mm to 83 mm. An illuminated bezel indicates the availability of a ticket very clearly. All these features provide you a great flexibility for a number of applications.

Paper Channel with tension unit

The Key Facts

Flexible Paper Channel
Adjustable paper input channel with tension unit for 58 mm to 83 mm paper width (centered) including mark sensor and extended paper end sensor.

Paper Roll Holder
Adjustable paper roll holder with paper near end sensor. Shaft with 25mm inner core. Left or right mounting posssible. Paper roll diameter max 200 mm. 7 vertical roll positions.
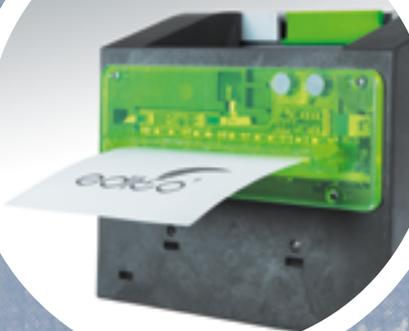
Illuminated Bezel
Software controlled illuminated paper mouth with status LED. Two integrated buttons for testprint and paper feed.

Adjustable paper roll holder

Illuminated bezel

Interfaces

Retract Function

Thermal Printer Mechanism
SII high quality CAPM347 engine is the heart of the edito kiosk printer with a head lifetime of 200 km abrasion and a highly reliable cutter.

Black Mark Detection
Black mark detection and implemented black mark quality test function for safe applications with formatted tickets.

Dot-Test Function
Integrated thermal head test for detecting defective dots during booting.

Internal Codepages
10 internal Codepages of 12x24 and 8x16 dots resolution: CP 437 Standard Europe, CP 850 Multilingual, CP 852 Eastern Europe, CP 858 Euro, CP 860 Portuguese, CP 863 Canadian French, CP 865 Nordic, CP 1250 Central Europe, CP 1251 Cyrillic, CP 1252 Latin. Implemented with 14 international Characters.

User Codepages 6x8 to 64 x 64
Up to 20 custom fonts from 6x8 to 64x64 can be downloaded. Also proportional fonts are possible.

Printer Control
Low level printer control with ESC sequences possible.

Interfaces: Serial, USB, LAN
RS232C (RJ-12 Connector), USB 2.0, Ethernet 100 MB

Sensors, Buttons, LED´s
Paper near end (w/ paper holder), internal paper end, external paper end, mark sensor, head temperature sensor, flap sensor, pick up sensor, pull sensor, flap open sensor, head open sensor. 2 feed buttons, 2 test buttons, 4 status LEDs backside, red LED in bezel, green LEDs for bezel illumination.

Drivers
USB driver for Windows and Linux.

Development Support
Software for down and upload of resources (fonts, graphics). Firmware update. Emulation of printouts on screen, dot-test, blackmark-test. SW Dip settings and more.

Housing
Antistatic plastic housing.

Software Buffer
Command buffer 512 byte, Input buffer 8,0 kb

Flash Memory
512 kB flash memory for resources (up to 20 User fonts and 20 b/w .bmp graphics)

Paper Load
Automatic paper loading through flex paper channel.

Resources
Customized fonts and graphics can be downloaded and uploaded as one customer resources file.

Description of models

4 different models are available for a number of applications.

- **Base Model KSM347:** print mechanism, controller, paper holder and flex paper channel

- **Output Control Model KSM347O:** base model including output control module with anti jam control and active pull protection.

- **Presenter Model KSM347P:** base model including presenter control module for save paper handling.

- **Retractor Model KSM347R:** presenter model including retractor control module for save paper handling and possible paper retraction. Also internal printing possible (no access from outside).

SPECIFICATION

Model	KSM347	KSM3470	KSM347P	KSM347R
Print engine	Seiko Instruments CAPM347 series thermal printer mechanism			
Print method	Thermal line dot printing			
Printer main function	print and cut	push/pull detect	presenter	presenter and retractor
Internal print (no access from outside)	not possible			possible
Dots/line	640			
Resolution (dots/mm)	8			
Paper loading methode	auto loading			
Paper width range (mm)	58 to 83			
Paper width adjustment	auto adjustment of mark sensor, PE2 sensor, PNE sensor and tension unit with paper width adjustment			
Printing width minimum (mm)	52 (416 dots/line)			
Printing width maximum (mm)	80 (640 dots/line)			
Paper roll outer diameter max. (mm)***	max. 200			
Paper roll inner core diameter (mm)	25 (paper end not glued to inner core) thermosensitive layer outside			
Paper thickness range (µm)	60 - 100	75 +/- 10	75 +/- 10	75 +/- 10
Tension unit working direction	can be changed from up to down function			
Paper arm mounting position	can be changed from left to right side, 2 connectors for paper near end sensor available on left and right side			
Paper arm position vertical	7 different positions possible			
Print speed max. (mm/sec.)	200			
Presenter speed avg. (mm/sec.)	n/a	n/a	480	
Paper cutting method/cutting type	Slide type/(full & partial cut)	Slide type/full cut		
Bezel	n/a	Illuminated LED bezel and status indicator (auto or customer controlled)		
Bezel color/material	n/a	green/plastic transparent		
Buttons	2 (feed and testprint - backside)	4 (feed and testprint - backside and frontside)		
Character matrix (Internal code tables)	8x16 dots/12x24 dots (WxH)			
Internal codepages integrated	CP-437,-850,-852,-858,-860,-863,-865,-1250,-1251,-1252			
International characters integrated	USA, France, Germany, UK, Denmark I, Sweden, Italy, Spain I, Japan, Norway, Denmark II, Spain II, Latin America			
Character matrix (User resources CP)	6x8 to 64x64 (fixed or proportional fonts possible)			
User resources code tables max.	20 (Some different codepages available on request)			
Flash graphic storage numbers	20			
User resources management	user codepages and user graphics can be downloaded together as 1 customer resources file (checksum controlled)			
User resources capacity	512 kByte flash memory			
Input buffer	8 kByte			
Defect Dot detection	electronic measurement detection and count of defect dots			
Mark detection	integrated (sensor level detection and threshold value adjustment possible)			
Printout Emulation	Software for development, maintenance and ticket emulation included			
Interfaces Standard model	Serial/USB			
Inerfaces Ethernet model	Serial / USB / Ethernet			
Serial Specification	RS232C RJ-12 Connector			
USB Specification	USB 2.0 Connector Type B			
Ethernet Specification	100 Mbit/s (DHCP)			
Voltage	24 V DC (+/- 5%) Connector 2 pole Molex 4.2 MM			
Power supply (Watt) recommended **	90 (128 dots)			
Average current (A)	3,7 @128 dots			
Service life puls activation (pulse) *	200.000.000			
Service life abrasion resistance (m) *	200.000 printer mechanism (specified paper)			
Service life Cutter (cuts) *	1.500.000	1.000.000	1.000.000	1.000.000
Operation tempeature range (°C)	-20°C to +70°C (Non condensing)			
Storage temperature (°C)	-25C to +75°C (Non condensing)			
Dimension (WxDxH) ****	128 x 127 x 103,5 (mm)	128 x 192 x 103,5 (mm) incl. bezel		
Mass (g)	1290	1510	1560	1645
Emulation	ESC sequences			
Drivers	Windows 7 (Linux)			
Certifications	EMC Directive 2014/30 EU/EN 55022:2010 class A/EN 55024:2010 EN 61000-3-2:2006+A1:2009+A2:2009 Low Voltage Directive (LVD) 2014/35/EU/EN 60950-1:2006+A11:2009+A1:2010+A12:2011+AC:2011+A2:2013 RoHS Directive 2011/65/EU			

   * for specified papers
  ** power consumption is different of e.g. printspeed, temperature, paper sensibility, and printing content.
 *** will be less by some printerarm positions
**** without paper holder arm, without connectors, including bezel