

soabar

Labels, Swing Tickets and Barcode Printers

Printhead			
Printing method		Thermal transfer/Thermal direct	
Print resolution dpi		203 / 300	
Print width up to mm		108 / 105,7	
Print speed mm/s		30, 40, 50, 75, 100, 125	
Material ¹⁾ on rolls or fanfolded			
Labels	Paper, cardboard, textiles, plastics such as PET, PE, PP, PVC, PU, acrylate, PI	Thickness mm	Width mm single lane 10 - 116 multi lane 5 - 116
		0,055 - 0,7	Height ²⁾ mm 6 - 1000
Continuous material	liner paper 60 - 110 g/m ²	0,055 - 0,10	25 - 120
	cardboard 80 - 180 g/m ²	0,10 - 0,20	6 - 120
	plastic film PVC	0,30	6 - 60
	flat pressed tubes	0,40 - 0,70	5 - 85
			endless
			10 - 1000
Media roll			
	at core Ø mm	3100	3400
Outside Ø mm	38 / 40	155	210
	76	152,4	203,2
Winding direction		outside or inside only outside during cutting	
Ribbon			
Ink		outside or inside	
Roll diameter up to mm		72	
Core diameter mm		25,4	
Ribbon length variable up to m		360	
Width mm		50 - 114	
Printer dimensions			
		3100	3400
Height x Depth x Width mm		189 x 322 x 253	245 x 412 x 264
Weight kg		4	5
Label sensor			
Gap sensor		for leading edge of the label or punching marks and end of material	
Reflective sensor from the bottom		for black mark	
Distance from the center to the left mm		0 - 58	
Electronics			
Processor high speed 32 Bit clock rate MHz		400	
RAM MB		64	
Memory IFFS MB Flash		16	
Battery buffer for real-time clock with printout of time and date			
Data storage on shut-down			
Warning signal: acoustic signal in case of error			
Interfaces			
RS232C 1.200 up to 230.400 Baud/8Bit		Option	
USB 2.0 full speed device for PC connection			
Ethernet 10 / 100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP			
Peripheral connection			
WLAN USB Stick 54 Mbps		Option	
Nano Bluetooth USB Adapter V2.1		Option	
2 x USB Host on operation panel, connection up to 100 mA for memory stick, service key, WLAN or Bluetooth			
1 x USB Host on the backside connection up to 500 mA for keyboard, scanner, WLAN or Bluetooth			
Operation panel			
Touchscreen display 160 x 255 pixels with backlight			
Diagonal measurement mm		96	
Operating functions: Pause, Feed, Cancel, Menu, Enter, Numeric Pad			
Cutter			
Cutting length from mm		10	
Cuts/min. up to		200	
Winding		preferably outside	
Monitoring		cutter pivoted, finalposition not reached	
Label dispensing function only EOS4			
Label height mm		20 - 100	
Printing and dispensing		with push button on request automatically after removal of the label	
Monitoring		Label in dispensing position, dispensing module swivelled	
Operating data			
Power supply		100 – 240 V – 50 / 60 Hz	
Energy consumption		Power saving mode 1,8 W / typic 45 W / max. 100 W	
Temperature/ Humidity		Operation: + 5 - 40°C / 10 - 85% not condensing Storage: + 0 - 60°C / 20 - 80% not condensing Transport: -25 - 60°C / 20 - 80% not condensing	
Approvals		CE, FCC class A, CB, CCC, UL	



Settings			
Digital or analog clock		Time	
System settings		Date	
Print parameters		Interfaces	
25 language settings		Security	
On the Display			
Data reception		Clock	Bluetooth
Ethernet state		Date sheet	Cutter
Temperature printhead		Ribbon capacity	WLAN
Monitoring			
Stop printing if		End of ribbon End of labels Printhead open Final position of cutter not reached cutter pivoted	
Test routines			
System diagnosis		when switched on incl. printhead testing	
Short status, status print		Font list, device list, WLAN status, profile of label, test grid, monitor mode, PPP status	
Status reports		Printout informing about settings and print length counter, runtime counter. Status request via software commands. Status messages on the display such as network error – no link, barcode error, etc.	
Fonts			
Font types		5 Bitmap fonts incl. OCR-A, OCR-B and 3 Vector fonts Swiss 721, Swiss 721 Bold and Monospace 821 available internally, loadable TrueType fonts. Thai and Chinese (simplified Chinese)	
Character sets		Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R. All West and East European Latin, Cyrillic, Greek, Hebrew and Arabic, Thai and Chinese characters are supported	
Bitmap fonts		Size of width and height 1 – 3 mm, Zoom 2 – 10 Orientation 0°, 90°, 180°, 270°	
Vector-/ TrueType fonts		Size of width and height 0.9 – 128 mm, variable zoom, orientation 360° in steps of 1°	
Font formats		Bold, italic, underlined, outline, negative, gray, vertical, depending on character fonts	
Font width		Variable	
Graphics			
Graphic elements		Line, arrow, box, circle, ellipse, filled and filled with fading	
Graphic formats		PCX, IMG, BMP, TIF, MAC, GIF, PNG	
Barcodes			
Linear barcodes		Code 39, Code 93 Code 93 Full ASCII Code 128 A, B, C Codabar EAN 8, 13 EAN/UCC 128 EAN/UPC Appendix 2	
		EAN/UPC Appendix 5 FIM HIBC Interleaved 2/5 Ident- and lead code of Deutsche Post AG	
		JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, EO	
2D codes		Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN-Datamatrix, GS1 Data Bar	
		All codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and start/stop code, depending on code type.	
Software			
Programming		J-Script direct programming abc-Basic Compiler Database Connector	
		Standard Standard Option	
System diagnosis/ administration		Printer monitoring with Intra- and Internet Network Manager	
		Standard Option	
Label software		cablabel R2+ Direct programming with ZPL Nicelabel, SoLabel Std and Pro Bartender, Label Matrix, Labelview	
		Standard Standard Option Authorized distribution by resellers	
Windows driver 32/64 bit certified for		Windows XP Server 2003 Windows Vista Server 2008 Windows 7 Server 2008 R2 Windows 8 Server 2012	
		Standard	
Mac driver		OS X printer driver from version 10.6	
		Standard	
Linux driver		CUPS-based from version 1.2	
		Standard	
Stand-alone operation			
		Standard	

¹⁾ All material details are approximate values. Small labels, very thin, narrow, thick or stiff materials as well as labels with strong adhesives need to be tested.
²⁾ Please pay attention to the minimum label height when cutting and dispensing.



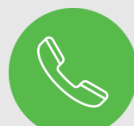
Free installation
Full onsite installation by our team of trained engineers



Free training
Software and machine training included with all our printers



On-site warranty
A full on site warranty is included with our printers



Aftersales support
on going sales support at no extra cost



Technical support
Telephone and remote desktop support by soabar engineers

3 Series Specification