



Label printer *EOS*

Label printer EOS 1/4



The new thermal printer – a modern, cost-effective solution for printing labels in production, logistics and retail.

Cutting-edge technology, and exceptional ease-of-use – for a great price

The key feature of the new EOS is that it is the first label printer to be fitted with a touchscreen as standard. This makes it easy to call up existing labels, add data and print them off – all without being connected to a PC. Complete labels can be saved to a USB memory stick or the internal memory of the EOS printer.

EOS1 and EOS4 differ in terms of their size. The larger EOS4 can accommodate label rolls up to 8" in diameter. All labels are centered automatically in the printer. Both units are available with 200 or 300 dpi resolution. What's more, wear parts can be replaced in a matter of seconds – usually without the need for any tools.

Technical data

Printhead	EOS1	EOS4
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	
Material¹⁾		
Labels, continuous rolls or fan-folded	Paper, card stock, textile, plastics such as PET, PE, PP, PVC, PU, acrylate, PI	
Thickness: Labels incl. adhesives and liner mm	0,055 - 0,8	
Width of liner or continuous mat. mm	0,05 - 0,3	
Continuous rolls PVC mm	0,3 - 0,5	
Flat compressed tubes mm	0,3 - 0,8	
Weight: for card stock gr/m ²	80 - 300	
Width: one-wide labels mm	10 - 116	
multi-wide labels mm	5 - 116	
Width of liner or continuous mat. mm	25 - 120	
Continuous rolls PVC up to mm	6 - 60	
Flat compressed tubes mm	5 - 85	
Height: Labels mm	6 - 1000	
Media roll: Total diameter mm	152,4	203,2
Core diameter mm	38 - 76 / Option 25 - 76	
Winding direction mm	Outside or inside	
Ribbon		
Ink	Outside or inside	
Roll diameter up to mm	72	
Core diameter mm	25,4	
Ribbon length variable up to m	360	
Width up to mm	50 - 114	
Printer dimensions		
Height x Depth x Width mm	189 x 322 x 253	245 x 412 x 264
Weight kg	4	5
Material sensor		
Gap sensor	for leading edge of the label or punching marks and end of material	
Reflective sensor from the bottom	for printing marks	
Distance from the center to the left mm	0 - 58	
Gap height up to mm	3	




Electronics	EOS1	EOS4
Processor High Speed 32 Bit clock rate MHz	400	
(RAM) MB	64	
Memory IFFS MB Flash	16	
Battery buffer for	Real-time clock, 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	<input type="checkbox"/>	
USB 2.0 High Speed Slave for PC connection	<input checked="" type="checkbox"/>	
Ethernet 10 / 100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP	<input checked="" type="checkbox"/>	
WLAN USB Stick 54 Mbps	<input type="checkbox"/>	
Nano Bluetooth USB Adapter V2.1	<input type="checkbox"/>	
Peripheral connection for cutter	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3 x USB Master for	external operation panel, keyboard, scanner, service key, USB flash drive	
Operation panel		
Touchscreen display	160 x 255 pixels with backlight	
Diagonal measurement mm	96,31	
Operating functions	Pause, Feed, Cancel, Menu, Enter, Keyboard, USB stick	
Operating data		
Power supply	100 – 240 V ~ 50 / 60 Hz, PFC	
Power consumption	Power save mode 1,8 W / typical 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	

¹⁾ All material details are approximate values. Small labels, very thin, narrow, thick or stiff materials as well as labels with strong adhesives must be tested.

Settings		
	Digital or analog clock System settings Print parameters 25 language settings	Time Date Interfaces Security
Stop printing if:	End of ribbon End of labels / Continuous material Printhead open Cutter open	
On the display		
	Data reception Input buffer Used memory Access to memory stick Temperature of printhead Cleaning the printhead	Clock Data reception Ethernet status Remaining quantity of ribbon Final position not reached
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	Extensive status printout with information about settings, e.g. print length counter, runtime counter, etc. Request of machine status via software commands. Detailed status messages on the display, e.g. 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) available as options.	
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 characters are supported. Thai and Chinese available as options.	
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 39 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- u. Leitcode of Deutsche Post AG JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0
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	■ ■ □
System diagnosis/administration	Printer monitoring Network Manager	■ □
Label software	cablabel R2+ Codesoft, Nicelabel, Easylabel Bartender, Label Matrix, Labelview	■ □ ○
Windows driver certified	32/64 bit for Windows XP Windows Vista Windows 7	Server 2003 Server 2008 Server 2008 R2 ■
Mac driver	OS X printer driver from version 10.4	■
Linux driver	Tested with Suse 9.0, CUPS-based	■
Stand-alone operation		■
		Standard ■ Option □ Authorized distribution by resellers ○

Delivery program / Accessories

	Part no.	Hardware	dpi
	5965101 5965102	Label printer EOS1 / 200 Label printer EOS1 / 300	
	5965110 5965112 5965111 (on request) 5965113 (on request)	Label printer EOS1 / 200 C Label printer EOS1 / 300 C Label printer EOS1 / 200 PC Label printer EOS1 / 300 PC	
	5965103 (on request) 5965104 (on request)	Label printer EOS4 / 200 Label printer EOS4 / 300	
Scope of delivery			
DVD:	Label printer, Power cable type E+F, length 1.8 m, Connecting cable USB, length 1.8 m, Operating manual de/en Operating manual 17 languages, Configuration manual de/en/fr, Service manual de/en, Spare parts de/en, Programming manual en, Windows printer driver 32/64 bit in 19 languages for Windows XP Server 2003 Windows Vista Server 2008 Windows 7 Server 2008 R2 Label software cablabel R2+ in 24 languages, Database Connector en, Mac OS X driver de/en/fr, Linux driver de/en/fr		

	Part no.	Spare parts
	5966096.001 5965580.001	Printhead 200 Printhead 300
	5965488.001	Print roller DR4
	5966215.001	Print roller DR4-25
	5966216.001	Print roller DR4-50
Part no.		Accessories
	5966730 5966740 (on request)	Cutter EOS4 C Perforation cutter and cutter EOS4 PC
	5965586	External rewinder EOS1 / 205
	5906179	USB memory stick
	5901630	Compact keyboard USB Cherry Classic Line G84-4100
Part no.		Interfaces
	5965514	RS232C Interface
	5906225 5906226	WLAN USB stick 54 Mbps Nano Bluetooth USB Adapter V2.1
Part no.		Software
	DL 40100	Database Connector license
	5580215	Administration Network Manager
	included on request	Label software cablabel R2+ Codesoft, Nice Label, Easylabel
9008486		Programming manual English, printed copy

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