cab
we identify more

Products need labeling

Label printers
with highest operating comfort

eos
Made in Germany

Types

One concept, two sizes
The EOS series combines all functions of a solid label printer with highest operating comfort.

eos 2, the compact one
for label roll diameters up to 152 mm

Label printer		EOS 2	
Printable resolution	dpi	203	300
Print speed	up to mm/s	150	150
Print width	up to mm	108	105.7
Label roll diameter	up to mm	152	152
Power supply		100 - 240 VAC, 50/60 Hz	

eos 5 for large label rolls
with diameters up to 203 mm

Label printer		EOS 5	
Printable resolution	dpi	203	300
Print speed	up to mm/s	150	150
Print width	up to mm	108	105.7
Label roll diameter	up to mm	203	203
Power supply		100 - 240 VAC, 50/60 Hz	

Mobile printing
in production, warehousing or agriculture, wherever labels are required and access to electricity is missing. 24 V input voltage enable the printer to be power supplied by any powerful battery. For technical battery data see accessories

eos 2 mobile
for label roll diameters up to 152 mm

Label printer		EOS 2 mobile
Printable resolution	dpi	300*
Print speed	up to mm/s	150
Print width	up to mm	105.7
Label roll diameter	up to mm	152
Power supply		16.5 - 25 VDC

eos 5 mobile
for label roll diameters up to 203 mm

Label printer		EOS 5 mobile
Printable resolution	dpi	300*
Print speed	up to mm/s	150
Print width	up to mm	105.7
Label roll diameter	up to mm	203
Power supply		16.5 - 25 VDC

*203 dpi on request

Details

1 Roll holder
The label roll is inserted and automatically centered when closing.

2 Ribbon holder
The stop can be adjusted according to the ribbon width.

3 Print head 203 / 300 dpi
In case of cleaning or wear, the print head can be replaced easily by hand without tools.

4 Label sensor - gap or reflective
The sensor position can be adjusted via a spindle using the red rotary knob. The chosen position is indicated by a LED.

5 Print roller DR4
In case of cleaning or wear, the print roller can be replaced without tools.

6 Material guide
Using the rotary knob, the guides can be adjusted to the material width

7 Tear-off plate
made of thin sheet steel; jagged, so labels are cleanly separated

DR4-30

DR4-60

To achieve accurate imprint with slim materials and ribbons, slim print rollers are needed. These prevent from print roller wear, print head contamination and errors during material feed.

Operation panel

Intuitive and easy operation with self-explanatory symbols to configure the device setups

1 LED signal: Power ON

2 Status bar: Data reception, Record data stream, Ribbon pre-warning, SD memory card / USB memory stick, Bluetooth, WLAN, Ethernet, USB slave, Time

3 Printer status: Ready, Pause, Number of printed labels per print job, Label in peel-off position, Awaiting external start signal

4 USB slot for the Service Key or a memory stick, to load data in the IFFS storage

5 Operation: Cutter / perforation cutter: cutting
Tear-off mode: print label

Jump to menu   Stop and delete all print jobs

Reprint last label   Label feed

Interrupt and continue print job

Interfaces on the back of the device

1 Slot for a **SD memory card**

2 **2 x USB host** to connect a Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick

3 **USB 2.0 Hi-speed Device** to connect a PC

4 **Ethernet 10/100 Mbit/s**

5 **RS232C** 1,200 to 230,400 baud/8 bit

Technical data

● typical ■ standard ☐ option

Label printer		Type	EOS 2 (1.1)		EOS 5 (1.2)		EOS 2 mobile (1.3)	EOS 5 mobile (1.4)
Material feed			centered					
Printing method	Thermal transfer		●		●		●	●
	Thermal direct		●		●		●	●
Printable resolution		dpi	203	300	203	300	300	300
Print speed		up to mm/s	150	150	150	150	150	150
Print width		up to mm	108	105.7	108	105.7	105.7	105.7
Start of printing	Distance to locating edge	mm	centered					
Material[1]								
Paper, cardboard, plastics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec			●		●		●	●
Shrink tubes	ready-for-use		●		●		–	–
	continuous, pressed		●		●		–	–
Textile tapes			●		●		●	●
Packing	on rolls, reels		●		●		●	●
	Fanfold		☐		☐		–	–
	Roll diameter	up to mm	152		203		152	203
	Core diameter	mm	38.1 - 76					
	Winding		outside or inside					
Labels	Width single-lane	mm	10 - 116					
	multi-lane	mm	5 - 116					
	Height excl. label backfeed	from mm	5					
	incl. label backfeed	from mm	12					
	Thickness	mm	0.05 - 0.6					
Liner material	Width	mm	25 - 120					
	Thickness	mm	0.05 - 0.16					
Continuous material	Width	mm	5 - 120					
	Thickness	mm	0.05 - 0.5					
	Weight (cardboard)	up to g/m²	180					
Shrink tubes	Width ready-for-use	up to mm	120					
	continuous, pressed	mm	5 - 85					
	Thickness	up to mm	1.1					
Ribbon[2]	Ink side		outside or inside					
	Roll diameter	up to mm	72					
	Core diameter	mm	25.4					
	Variable length	up to m	360					
	Width	mm	25 - 114					
Printer sizes and weights								
Width x Height x Depth		mm	253 x 191 x 322		264 x 247 x 412		253 x 191 x 322	264 x 247 x 412
Weight		kg	4		5		4	5
Label sensor indicating the position								
Gap sensor		for	labels or punch marks and end of material, print marks on transparant materials					
Reflective sensor	reflex from below or top	for	labels and end of material, print marks on non-transparent materials					
Distance of sensor	from centre to locating edge	centered mm	0 - 58					
Material passage		up to mm	4					
Electronics								
Processor 32 bit clock rate		MHz	800					
Main memory (RAM)		MB	256					
Data memory (IFFS)		MB	50					
Slot to connect a SD memory card (SDHC, SDXC)		up to GB	512					
Battery for time and date, real-time clock			■					
Data memory when power is switched off (e.g. serial numbering)			■					
Interfaces								
RS232C 1,200 to 230,400 baud/8 bit			■					
USB 2.0 Hi-speed device to connect a PC			■					
Ethernet 10/100 Mbit/s			LPD, RawIP printing, SOAP webservice, OPC UA, WebDAV DHCP, HTTP/HTTPS, FTP/FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC					
1 x USB host on the operation panel		for	Service Key or USB memory stick					
2 x USB host on the back of the device		for	Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick, external operation panel					
USB WLAN stick 2.4 GHz 802.11b/g/n			hotspot mode or infrastructure mode		☐			
2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac, rod antenna								
USB Bluetooth adapter			☐					
Peripheral connection USB host, 24 VDC			■					
Operating data								
Power supply			100 - 240 VAC, 50/60 Hz, PFC				24 VDC	
Power consumption			Standby 1,8 W / typical 45 W					
Temperature / humidity	Operation		+5 - 40°C / 10 - 85 %, not condensing					
	Stock		0 - 60°C / 20 - 85 %, not condensing					
	Transport		−25 - 60°C / 20 - 85 %, not condensing					
Approvals			CE, FCC Class A, ICES-3, cULus, CB, CoC Mexico, CCC, EAC, BIS, BSMI, KC-Mark					
Operation panel								
Colored LCD touch display	Screen diagonal	"	4.3					
	Resolution Width x Height	px	272 x 480					

[1] The material specifications are standard values. Applications with small labels, thin, slim, thick and stiff materials as well as strongly adherent labels have to be tested.
[2] The ribbon should at least correspond with the width of the liner material.

Technical data

■ standard □ option

Setup options

	Print	Region:
	Labels	- Language
	Ribbon	- Country
	Tear-off	- Keyboard
	Cut	- Time zone
	Interfaces	Time
	Error	Display:
		- Brightness
		- Power saving mode
		- Orientation
		Interpreter

Status bar

	Data reception	Bluetooth
	Record data stream	WLAN
	Ribbon pre-warning	Ethernet
	SD memory card plugged	USB slave
	USB memory stick plugged	Time

Monitoring

	Ribbon pre-warning	Periphery error
	End of ribbon	Print head voltage
	End of material	Print head temperature
		Print head open

Test routines

System diagnostics	on start-up, including print head detection	
Information display, test printout, analysis	Status printout	Test grid
	Fonts list	Label profile
	List of devices	List of events
	WLAN status	Monitor mode
Status reports	- Printout of device settings, e.g. print lengths and service hours - Device status request by software command - Display of, e.g., network errors, no links, barcode errors, periphery errors, etc.	

Fonts

Font types internally provided	5 bitmap fonts:	7 vector fonts:
	12 x 12 dots	AR Heiti Medium GB-Mono
	16 x 16 dots	CG Triumvirate Condensed Bold
	16 x 32 dots	Garuda
	OCR-A	HanWangHeiLight
	OCR-B	Monospace 821
		Swiss 721
		Swiss 721 Bold
to be stored	TrueType fonts	
Character sets	Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869 EBCDIC 500 ISO 8859-1 to -10 and -13 to -16 WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R	
	Western European	Cyrillic
	Eastern European	Greek
	Chinese simplified	Latin
	Chinese traditional	Hebrew
	Thai	Arabic
Bitmap fonts	Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 270°	
Vector / TrueType fonts	Size in width and height 0,9 - 128 mm Variable zoom Orientation 360° in steps of 1°	
Font styles	bold, italic, underlined, outline, inverse - depending from the font types	
Character spacing	variable or monospace	

Graphics

Graphic elements	Lines, arrows, rectangles, circles, ellipses - filled or filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	

Codes

1D barcodes (linear)	Code 39, Code 93	Interleaved 2/5
	Code 39 Full ASCII	Ident and routing code
	Code 128 A, B, C	of Deutsche Post
	EAN 8, 13	Codabar
	EAN/UCC 128/GS1-128	JAN 8, 13
	EAN/UPC Appendix 2	MSI
	EAN/UPC Appendix 5	Plessey
	FIM	Postnet
	HIBC	RSS 14
		UPC A, E, E0
2D and stacked codes	DataMatrix DataMatrix Rectangle Extension QR code Micro QR code GS1 QR code GS1 DataMatrix PDF 417 Micro PDF 417 UPS MaxiCode GS1 DataBar Aztec Codablock F Dotcode RSS 14 truncated, limited, stacked, stacked omni-directional	
	All codes are variable in terms of height, modular width and ratio; orientations 0°, 90°, 180°, 270° check digit, plain text printout and start / stop code are options depending from the type of code	

Software

Label software	cablabel S3 Lite	■
	cablabel S3 Viewer	■
	cablabel S3 Pro	□
	cablabel S3 Print	□
Also running with	CODESOFT NiceLabel BarTender	
Stand-alone operation		■
Windows printer drivers WHQL certified for	Windows Vista	Server 2008
	Windows 7	Server 2008 R2
	Windows 8	Server 2012
	Windows 8.1	Server 2012 R2
	Windows 10	Server 2016
		Server 2019 ■
Apple Mac OS X printer drivers	from version 10.6	■
Linux printer drivers	from CUPS 1.2	■
Programming	JScript printer language	■
	abc Basic Compiler	■
	ZPL II (The datastream must be tested in advance.)	□
Integration	SAP	■
	Database Connector	■
Administration	Printer control	■
	Configuration in Intranet and Internet	■

cab uses free and Open Source Software in its products.
For information see **www.cab.de/opensource**

Accessories for all types of devices

2.3	**Print roller DR4-30** Material width up to 30 mm; synthetic rubber coating for accurate imprint
	Print roller DR4-60 Material width up to 60 mm; synthetic rubber coating for accurate imprint
2.4	**External operation panel** If the operation panel of a printer cannot be accessed, an additional external one can be plugged. Same functionality as on the printer Landscape or portrait mode Operability as desired on the external operation panel or on the printer
	Printer connectivity: USB 2.0 Hi-Speed device cab provides specified **connecting USB cables** for power supply. Lengths are 1.8 m to 16 m.

2.5	**SD memory card**
2.6	**USB memory stick**
2.7	**USB WLAN stick** 2.4 GHz 802.11b/g/n
2.8	**USB WLAN stick** 2.4 GHz 802.11b/g/n + 5 GHz 802.11a/n/ac in infrastructure mode with rod antenna for extended reach
2.9	**USB Bluetooth adapter**
2.10	**Label selection - I/O box** Up to 16 different labels per box can be selected from the memory card by a master control, e.g. PLC. Two boxes can be connected. The I/O box allows simple PLC control processes with four inputs and outputs each via abc programming.
3.1	**Connecting cable RS232 C** 9/9 pin, length 3 m

Cutter

All printable materials can be cut.
The cutter can be pivoted to exchange the material.

	Cutter
Technical data	**for EOS 2, EOS 5**
Material Width mm	120
Weight cardboard gr/m²	60 - 240
Thickness mm	0.05 - 1.1
Cutting length from mm	10
Gap height up to mm	2.5
Cuts/min up to	200
Label winding	preferably outside
Monitoring	Cutter pivoted, final cutter position has not been reached

Cutter and perforation cutter

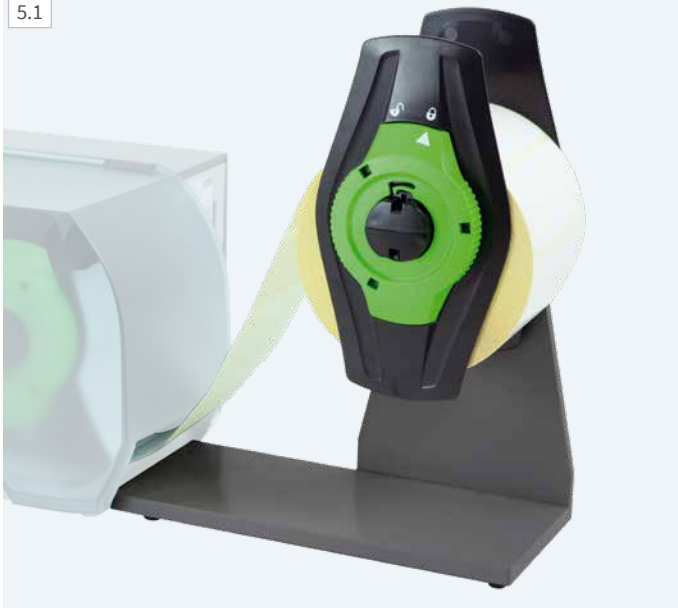Continuous materials such as textiles or shrink tubes are perforated before they are manually separated.
In addition, the materials can also be cut.
The cutter can be pivoted to exchange the material.

	Cutter and perforation cutter
Technical data	**for EOS 2, EOS 5**
Perforating Web distance mm	2.5
Web width mm	0.8
Material Width mm	45
Weight cardboard gr/m²	60 - 240
Thickness mm	0.05 - 1.1
Cutting length from mm	10
Gap height up to mm	2.5
Cuts/min up to	200
Label winding	preferably outside
Monitoring	Cutter pivoted, final cutter position has not been reached

Accessories

External unwinder

When inserted, the material rolls are automatically centered.
The unwinder cannot be installed with EOS mobile.

		External unwinder for EOS 2, EOS 5
Technical data		
Roll diameter	up to mm	390
Core diameter	from mm	38
Winding		outside or inside
Roll weight	up to kg	4

Brake for fanfold labels

for EOS 2 and EOS 5. The fanfold material
is tightly fed in the printer and printed precisely.
The brake cannot be installed with EOS mobile.

Battery pack

with a charger unit already included for mobile operation.
It is installed under EOS mobile. Per battery capacity,
a maximum of 500 print jobs with a label size of 100 x 68 mm
and 15 per cent density may be processed.

		Battery pack 2 for EOS 2, EOS 5
Technical data		
Nominal voltage	V	18
Capacity	Ah	2.1
Power	Wh	36
Charging time	approx. h	2
Charging voltage		100 - 240 VAC, 50/60 Hz
Dimensions W x H x D	mm	221 x 58 x 270
Weight	kg	2.5

Delivery program

Pos.		Part no.	Printers
1.1		**5978201**	Label printer EOS 2/200
		5978202	Label printer EOS 2/300
1.2		**5978211**	Label printer EOS 5/200
		5978212	Label printer EOS 5/300
1.3		**5978202.600**	Label printer EOS 2 mobile/300
1.4		**5978212.600**	Label printer EOS 5 mobile/300

Scope of delivery
Label printer
Power cable Type E+F, length 1.8 m
Connecting cable USB, length 1.8 m
Instructions DE / EN

Available online
Instructions in 30 languages
Configuration manual DE / EN / FR
Service manual DE / EN
Spare parts list DE / EN
Programming manual EN
WHQL certified Windows printer drivers for

https://setup.cab.de/en

Windows Vista	Server 2008
Windows 7	Server 2008 R2
Windows 8	Server 2012
Windows 8.1	Server 2012 R2
Windows 10	Server 2016
	Server 2019

Apple Mac OS X printer drivers DE / EN / FR
Linux printer drivers DE / EN / FR
Label software cablabel S3 Lite
cablabel S3 Viewer
Database Connector

Pos.		Part no.	Wear parts
2.1		**5966096.001**	Print head 200 dpi
		5965580.001	Print head 300 dpi
2.2		**5965488.001**	Print roller DR4

Pos.		Part no.	Accessories
2.3		**5966218.001**	Print roller DR4-30
		5966219.001	Print roller DR4-60

Scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change. The data provided in the catalog do not represent any warranty or guarantee.

Pos.		Part no.	Accessories
2.4		6010186	External operation panel
		5907718.850	Connecting cable USB , 1.8 m
		5907730.850	Connecting cable USB, 3 m
		5907750.850	Connecting cable USB, 5 m
		5907760.850	Connecting cable USB, 11 m
		5907765.850	Connecting cable USB, 16 m
2.5		5977370	SD memory card
2.6		5977730	USB memory stick
2.7		5978912.001	USB WLAN stick 2.4 GHz 802.11b/g/n
2.8		5977731	USB WLAN stick with rod antenna 2.4 GHz 802.11b/g/n + 5 GHz a/n/ac
2.9		5977732	USB Bluetooth adapter
2.10		5948205	Label selection - I/O box
3.1		5550818	Connecting cable RS232 C 9/9 pin, length 3 m
4.1		5965520	Cutter EOS 2
		5966730	Cutter EOS 5
4.2		5965910	Cutter and perforation cutter EOS 2
		5969891	Cutter and perforation cutter EOS 5
5.1		5965586	External unwinder EOS
5.2		5953753	Brake for fanfold labels EOS
6.1		5542640	Battery pack 2 EOS 2
		5542660	Battery pack 2 EOS 5

Pos.		Part no.	Label software
11.7		Bundle	cablabel S3 Lite (Download at cab.de/en)
		5588001	cablabel S3 PRO 1 WS
		5588100	cablabel S3 PRO 5 WS
		5588101	cablabel S3 PRO 10 WS
		5588150	cablabel S3 PRO 1 add. licence
		5588151	cablabel S3 PRO 4 add. licences
		5588152	cablabel S3 PRO 9 add. licences
		5588002	cablabel S3 Print 1 WS
		5588105	cablabel S3 Print 5 WS
		5588106	cablabel S3 Print 10 WS
		5588155	cablabel S3 Print 1 add. licence
		5588156	cablabel S3 Print 4 add. licences
		5588157	cablabel S3 Print 9 add. licences
		in preparation	cablabel S3 Print Server
11.10		**9008486**	Programming manual EN, printed copy