cab®
innovation is tradition

Transfer printer

XD4 For double-sided printing.

Edition 6

For double sided printing with centred material guide

Special features:

- **Two stacked print engines for simultaneous printing of front and back.**
- **No adjustment of the print head for different widths of material.**
- **No drapery of ribbon.**
- **For continuous or prefabricated materials like paper, card board, textiles and synthetics.**
- **The gap height at the material sensor for flat tubes and synthetic tapes is up to 4 mm.**
- **The print speed for difficult printable materials is reduced to 30-125 mm/sec.**
- **Operation and software are compatible with the A+-series.**

1 **Big graphic display**
White backlight guarantees clarity of display.

2 **Ribbon retainer**
Easy and centred insertion of the ribbon with the threepart tightening axles.

3 **Easy adjustment**
The print head is pressed down with two sliding toggles. One is mounted to the left label margin, the other one is pushed to the right label margin.

4 **Material guide**
Precise printing due to the material guide located directly behind the print roller. The width is adjusted with a spindle.

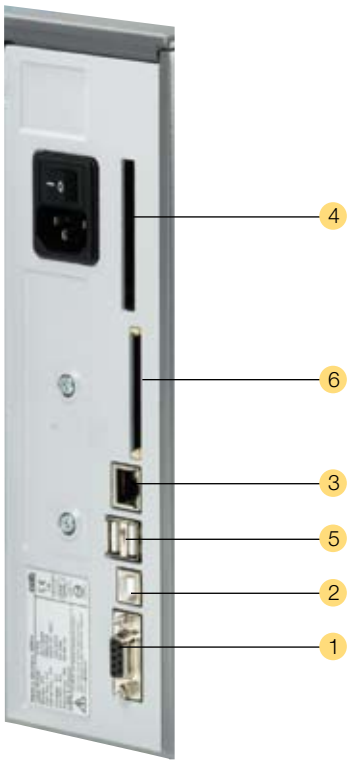
5 **Peripheral connection**
Add-on modules like cutter, external rewinder, present sensor, peel-off adapter and applicators can be easily connected via USB peripheral interface.

6 **Solid, buckling resistant metal chassis**
It is made of dye-cast aluminium.
All devices are assembled to it.

7 **Roll holder**
For core diameters up to 38 mm. For core diameters from 76 mm we include adapters for better winding. The labels are inserted into the label retainer and adjusted automatically with the margin stops.

8 **Only one tool for all maintenance tasks**
The Allen key is located ready to hand directly at the printer.

All required interfaces



1. Serial RS232C interface.
2. USB 2.0 Slave interface.
3. Ethernet 10/100 Base T-interface with TCP/IP.
4. Slot for Wireless LAN-Wifi-card.
5. Two USB-Master-interfaces to connect an external operation panel, keyboard, scanner or Service Key.
6. Slot for memory card CompactFlash Type I.

Options

Centronics interface
RS422/RS485 interface

The interfaces are plugged onto the PC. Connection to the printer via mini USB connection cable.

Label selection box – I/O box.
Up to 16 different labels can be loaded via SPS from a memory card. Operation of four in-/outputs via Basic Interpreter.

WLAN card 802.11 b/g.

Stand-alone operation without PC

Accessories for the stand-alone operation

Memory card

CompactFlash Type 1.
Storage of label formats, fonts, texts or graphics.
Read- and writable within the printer or in the PC.

Compact keyboard

Connection: USB
Number of keys: 86
L x W mm: 282 x 132, Cherry Classic Line G84-4100 LCM

Standard keyboard

Connection: USB
Number of keys: 115
L x W mm: 460 x 192, Cherry G83-6504 LAD

The functions of the devices and conformity to CE-standards are only warranted by using the accessories made by cab or recommended by cab.

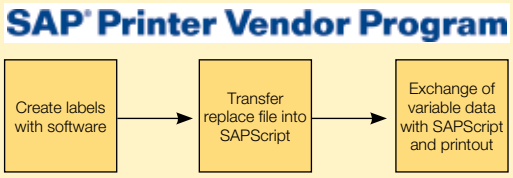
The layout of the labels is created either with the label software or direct programming via text editor directly on the PC. Label formats, fonts and graphic data, serial data and data base contents are saved on the CF memory card or the internal IFFS printer memory.

Only variable data is sent to the printer via keyboard or host computer before being printed out. Data of a barcode scanner or a scale can be fed additionally.

J	**Job Start**
H 100	**Speed (100 mm/s)**
O R	**Orientation rotated by 180°**
S l1;0,0,68,70,100	**Size of label (100x68 mm, gap 2 mm)**
T 10,10,0,5,pt20;sample	**Text object/font: Swiss bold, 20 pt**
B 10,20,0,EAN-13,SC2;401234512345	**Barcode EAN 13, size SC 2**
G 8,3.5,0;R:30,9,0.3,0.3	**Graphic, box 30 x 9 mm,**
	Line strength 0.3 mm
A 1	**Number of labels (in this example 1)**

Direct programming with J-Script

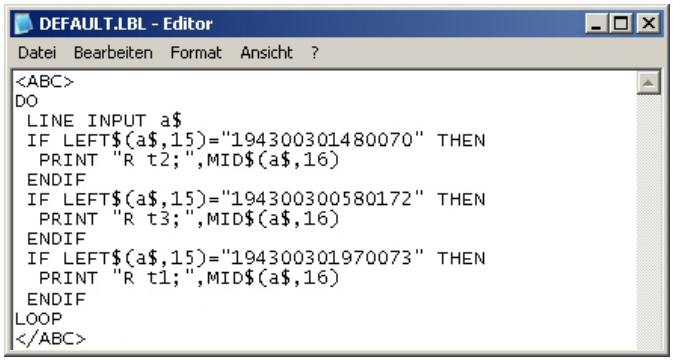
The printer language is easy to understand and integrate into your host system. Linkage of variable data with host application. Label design, graphics and fonts are recorded on the compact flash card. The host computer sends only the variable data to the printer.



Upload-Method SAP R/3 note no. 137431

Integration into SAP R/3

In collaboration with SAP cab developed the so-called “Replace method” in order to control the cab printers with SAPScript from SAP/R3.
As Silver Level-partner in SAP´s Printer Vendor Program cab has access to the SAP development area for optimal printer support in an SAP environment.



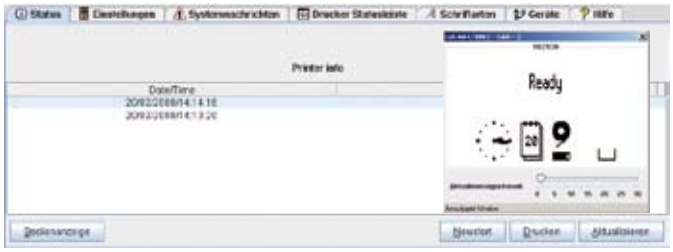
abc - Basic Compiler

As an integrated element of the firmware it enables the printer to process data via BASIC programming before being transmitted to print editing. Thereby external printer languages can be replaced or data from other systems, e.g. SPS or a scale, can be transferred to be printed on different label sizes.

Example of use:
Connection to a scale

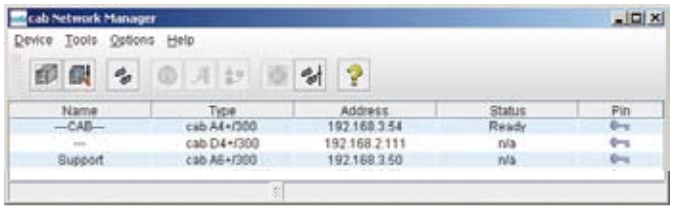
Database Connector

The database connector enables stand-alone printers to link up data from a SQL-compatible database and to print. Data can be rewritten and modified simultaneously with the printing process.



Printer monitoring with Intra- and Internet

The integrated HTTP- and FTP-Server enables, with standard programs like web browser or FTP-clients, the print monitoring, configuration, the firmware-update and the administration of the memory card. Status signals, warning or error signals are sent to users or administrators either as email or SNMP-datagram via SNMP- and SMTP-clients. Synchronization of time and date with a time server.



Administration Network Manager

The cab network manager enables the user to govern several printers within the network at the same time. It supports monitoring, configuration, firmware updates, memory card, datasynchronization and PIN-administration centrally.

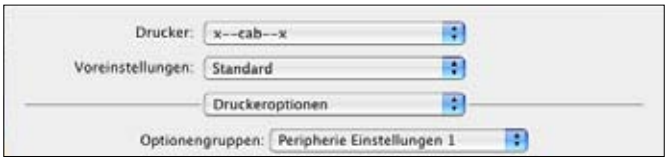
Printer driver

Windows® driver

Our drivers are officially certified by Microsoft and ensure the direct creation and printing of labels from Windows-based programs like Word, Excel, Access, Works, Corel Draw etc.

Apple-Mac OS X® driver*

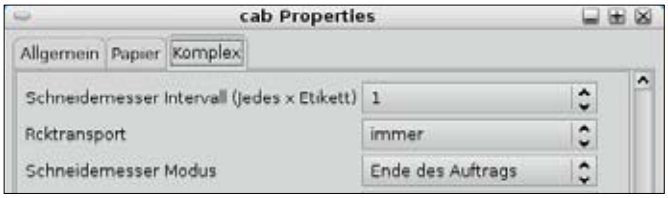
Alternatively cab offers a CUPS-based printer driver for MAC OS.



Linux driver*

Alternatively cab offers a CUPS-based printer driver for Linus.

*not for XD4M



Label software

cablabel R2	Lite	Pro
Windows 2000 SP4, XP Prof. SP2, Server 2003 SP2, Vista / 32 bit	■	■
24 languages	■	■
Label samples	■	■
Undo-function	■	■
Import of graphics	■	■
Graphic barcodes	9	37
Native printer barcodes	■	■
Support Windows driver		■
Number of printers	1	99
Database Manager (Access, DBF, ASCII, OLEDB, ODBC)		■
cab Database Connector		■
Stand-alone operation	■	■
Support printer real-time clock	■	■
Internal printer counter	■	■
Text alignment		■
User input (formular)	■	■
Formula editor		■
UCC/EAN 128 and Maxicode wizard		■

The ideal design of a label is realizable by using different fonts, heights, widths and arrangements. cab offers a large number of internal bitmap and vector fonts. Most of the country-specific codepages are supported, which means that county-specific special characters can be printed – in 24 languages.

● cablabel R2 Lite

Extensive standard label software. You get it - free of charge - included in delivery.

● cablabel R2 Pro

Maximum flexibility – whether simple texts, barcodes, graphics or the connection of databases. A wizard supports the creation of a UCC/EAN 128 barcode. It helps to open and handle several labels at the same time. Objects can be copied, moved and inserted into another label. It provides its own internal printer drivers which can communicate with the printer functions individually via J-Script.

Additional label software

Optimum variability – the transfer printers and the print & apply systems from cab can be easily controlled with other merchantable software like Codesoft, Easylabel, Bartender, NiceLabel or Labelview.

1. Print head		**XD4/300**
Print method		Thermal transfer
Print resolution dpi		300
Print speed up to mm/s		30, 40, 50, 75, 100, 125
Print width mm		105.6
2. Material		
Continous rolls or fan-folded		paper, cardboard, textile, Synthetics PET, PE, PP, PVC, PU, Acrylat, PI
Material thickness mm / weight g/m²		0.055 - 1.2 / 60 - 300
Width:	Label[1] mm	4 - 106
	carrier material mm	25 - 110
	continuous material[1] and flat pressed tubes[1] from 0.4 thick mm	3.5 - 110
Height[1] mm		5 - 1000
Media roll:	Total diameter up to mm	300
	Core diameter mm	38 - 100
	Winding direction	preferred inside
3. Ribbon		
Ink		outside or inside
Roll diamter up to mm		80
Core diameter mm		25
Ribbon length variable up to m		500
Width mm		114
5. Dimensions of the printer		
Height x Depth mm		395 x 554
Width mm		248
Weight kg		21
6. Label sensor		
See-through sensor		for leading edge of the label or punching marks and end of material
Reflective sensor from the botton		for printing marks
Distance from the center to the left mm		0 - 53
7. Electronics		
Prozessor high speed 32 Bit ColdFire/Taktrate MHz		266
(RAM) MB		64
Memory IFFS MB Flash		8
Slot for memory CompactFlash-card Type I		■
Slot for Wireless LAN-card		■
Battery cache for		Real-time clock, printout of time and date Storage of data with shut-down
Warning signal		Acoustic signal when error
8. Interfaces		
Centronics bi-directional acc. IEEE 1284		□
RS232 C 1.200 up to 230.400 Baud/8 Bit		■
USB 2.0 High Speed Slave for PC-connection		■
Ethernet 10/100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP		■
RS422, RS485 1.200 up to 230.400 Baud/8 Bit		□
Peripheral connection		■
WLAN card 802.11b/g WEP/WPA PSK (TKIP)		□
2 x USB Master for		external operation panel, keyboard, scanner or service key
9. Operation data		
Power supply		100 - 240 V ~ 50/60 Hz, PFC
Power consumption		max. 300 W
Operation temperature		10 - 35°C
Humidity		30 - 85% not condensing
Approvals		CE, FCC class A, CB, CCC, UL

[1] Depending on label size, material and adhesive limitations are possible. Critical material or applications have to be testet and cleared.

10. Operation panel	
Buttons illuminated/ LED-Graphics:	Pause, Feed, Cancel, Menue, Enter, 4 x Cursor
LCD graphic display:	Width 60, Height 40 mm 4 lines, characters about 20
11. Settings	
	Time, date, digital or analog clock
	19 language settings
	system settings, print parameters, interfaces, security
12. Monitoring	
Stop printing if	End of ribbon End of labels Print head open
On the display	Data reception WLAN field intensity Ethernet state Used memory Temperature print head Access to memory card Remaining quantity of ribbon Clock Date sheet abc Debug Input buffer
13. Test routines	
System diagnosis	when switched on with testing of print head
Short Status, Status print	font list, device list, WLAN state, profile of label, test grid, monitor mode, PPP state
Status reports	Extensive status print with information about setting, e.g. print length counter, runtime counter etc. Request of machine state via software command. Detailed status messages on the display, e.g. network error-no link, barcode error etc.
14. 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. Optional Chinese (simplified Chinese) Optional Thai
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBCDIC 500, ISO 8859-1 up to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, K0I8-R. All West and East European latin, cyrillic, greek, hebrew and arabic caracters are supported. Optional Thai and Chinese
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, grey, vertical, depending on character fonts
Font width	Variable

15. Graphics		
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
16. Codes		
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- and leader code 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.	
17. Software		
Programming	J-Script direct programming	■
	abc-Basic Compiler	■
	Database Connector	□
System diagnosis/ Administration	printer monitoring	■
	Network Manager	□
cab Label software	cablabel R2 Lite*	■
	cablabel R2 Pro	□
	Easylabel, Codesoft	□
Additional Label software	Nicelabel, Bartender, Label Matrix, Labelview	○
Windows driver	2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit	■
Stand-alone operation		■

Standard ■
Option □
Authorised distribution by resellers. ○

Innovative technology for a better climate protection, energy-saving, environmentally conscious

The specifications are according to our current technical knowledge. They are subject to change.

Accessories for basic devices

Cut, perforate, stack

Cutter

The cutter is used to cut paper, cardboard, textiles, synthetics or heat shrink tubes.

Perforation cutter and cutter

The perforation cutter also permits the perforation of the material in order to separate it manually.

Cutter tray

The cutter tray can pile up up to 50 labels.

Stacker with cutter

The printed materials are cut and piled up with the stacker. The print job stops when the height of the pile is reached.

Adapter 100 mm Ø

To keep the bending of the material during piling as small as possible cab recommends a broad core diameter.

Storage table label width x height

The storage table and the protective cover are adjusted to the label size and have to be ordered separately.

Base frame A4 / XD

With the base frame the devices can be arranged on the table in any order.

	Cutter CU4	Perforation cutter and cutter PCU4	Stacker with cutter ST4/M
Material width up to mm	120	110	20 - 100
Weight of material gr/m²/cardboard	60 - 500	60 - 300	60 - 300
Material thickness mm	0.05 - 1.2	0.05 - 1.2	0.05 - 0.8
Cutting length mm	< 5	< 5	20 - 150
Gap height up to mm	2.5	4.5	1.2
Cuts/min.	120	Cutting 120 / Perforating 150	120
Stop print job if:	Final position not reached	Final position not reached	Final position not reached,
			cover open,
			height of pile is reached
	Cutter tray 4 ☐	**Perforating**	**Piling up reached**
	For material width up to mm 120	Web width mm 0.5	Height of pile up to mm 140
	material height up to mm 100	Web distances mm 2.5 or 10	Further heights on request

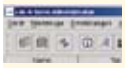
	Part No.	Hardware	dpi
	**5959640**	Transfer printer XD4 M/300	
	Content of delivery:	Transfer printer, Power cable Type E+F, length 1.8 m Operating manual German/English	
	CD-ROM:	Operating manual in 17 languages Set-up German/English, Service manual German/English Spare part list German/English Programming manual English, Windows printer driver 32/64 bit in 19 languages for Windows 2000 / XP / 2003 and Vista, Database Connector English, cablabel R2 Lite in 24 languages, operating manual German, English, French, Spanish and Italian .	

	Part No.	Expendable parts
	**5954072.001**	Print head 4/300
	**5954180.001**	Print roller DR4

	Part No.	Accessories	
	**5948000**	Cutter	CU4
	5960050.351	Perforation cutter	PCU4/2,5
	5960050.352	Perforation cutter	PCU4/10
	**5541313**	Stacker with cutter ST4/M	
	**5959622**	Adapter 100	
	**55xxxxx**	Storage table ST4/M, label B x H	
	**5959920**	Base frame XD	
	**5954380.001**	External operation panel	
	**5901630**	Compact keyboard USB, Cherry Classic Line G84-4100 LCM	
	**5901626**	Standard keyboard USB Cherry G83-6504 LAD	
	**5561043**	Memory card CompactFlash Typ I	

	Part No.	Interfaces
	**5954200**	Centronics interface
	5954201	RS422/RS485 interface
	**5954191**	Label selection - I/O-Box
	**5561041**	WLAN-card 802.11 b/g

	Part No.	Connection cable
	**5901616**	Cable USB length 3 m
	**5550818**	Cable RS232 C 9/9-pin, length 3 m

	Part No.	Software
	**5580212**	Database Connector
	**5580215**	Network Manager
	**5580221** on request	Etikettensoftware cablabel R2 Pro Easylabel, Codesoft
	9008486	Programming manual english, printed copy

The specifications are according to our current technical knowledge. They are subject to change.

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Germany
cab Produkttechnik
GmbH & Co KG
Postfach 1904
D-76007 Karlsruhe
Wilhelm-Schickard-Str. 14
D-76131 Karlsruhe
Telefon +49 721 6626-0
Telefax +49 721 6626-249
www.cab.de
info@cab.de

France
cab technologies s.a.r.l.
F-67350 Niedermodern
Téléphone +33 388 722 501
www.cab.de
info@cab-technologies.fr

España
cab España S.L.
E-08304 Mataró (Barcelona)
Teléfono +34 937 414 605
www.cab.de
info@cabsl.com

USA
cab Technology Inc.
Tyngsboro MA, 01879
Phone +1 978 649 0293
www.cabtechn.com
info@cabtechn.com

South Africa
cab Technology (Pty.) Ltd.
2125 Randburg
Phone +27 11-886-3580
www.cab.de
info@cabtech.co.za

Asia 亞 洲 分 公 司
希愛比科技股份有限公司
cab Technology Co, Ltd.
台灣台北縣板橋市民生路一段
Panchiao 220,Taipei,Taiwan
電話 Phone +886 2 2950-9185
網址 www.cabasia.net
詢問 cabasia@cab.de

China 中国
铠博(上海)贸易有限公司
cab (Shanghai) Trading Co.,Ltd
上海市延安西路2299号11C60室
电话 Phone +86 21 6236-3161
询问 cabasia@cab.de

Representatives in other countries on request.