



Label printerXD4For double-sided printing.

Edition 6.3

Technical Data XD4M

For double sided printing with centred material guide

- Two stacked print engines for simultaneous printing of front and back.
- No adjustment of the printhead 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 $\mathsf{A}^{+}\text{-}\mathsf{series}.$



1 Big graphic display

White backlight guarantees optimal legibility.

2 Ribbon retainer

Easy and centred insertion of the ribbon with the threepart tightening axles. Due to the imprinted spacer positioning of the ribbon is facilitated.

3 Easy adjustment

The printhead 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. All peripheral devices are put onto the printer with two gudgeons and fixed with a bolt.

6 Solid, buckling resistant metal chassis It is made of dye-cast aluminium.

All devices are assembled to it.

7 Roll holder

Applicable for core diameters as of 38 mm. (we include adapters for core diamters from 76 mm for a better winding of the labels). The spring mounted margin stop ensures constant tension while feeding and therefore a highly precise imprint.

8 Only one tool for all maintenance tasks

The Allen key is located ready to hand directly at the printer.

Interfaces 3

All required interfaces

- 1 RS232C interface.
- 2 USB 2.0 Slave interface.
- Ethernet 10/100 Base T-interface with TCP/IP. 3
- Slot for Wireless LAN-Wifi-card. 4
- 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 bi-directional acc. IEEE 1284. Interface RS422/RS485 1.200 bis 230.400 Baud/8 Bit.

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.



cab WLAN card 802.11 b/g.

Stand-alone operation

Printing with a cab printer without PC.

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 or imported 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.



Accessories for the stand-alone operation



Memory card CompactFlash Type I



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 LxW 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.

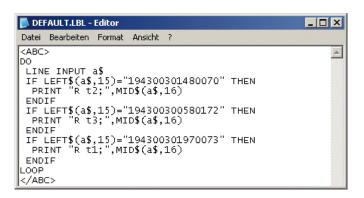
Software tools 4

J	Job Start
H 100	Speed (100 mm/s)
OR	Orientation rotated by 180°
S I1;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)

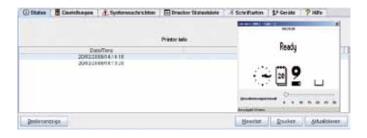
SAP[®] Printer Vendor Program



Upload-Method SAP R/3 note no. 137431



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Support	cab A6+/300	192.168.3.50	n/a	0-9

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.

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.

SAP and R/3 are registered trademarks of SAP AG.

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

In the stand-alone mode with additional network connection 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 5



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

 $\label{eq:main_state} Microsoft^{\circledast} \mbox{ is a registered trademark of Microsoft Corporation.}$ MAC OS^{\circledast} is a registered trademark of Apple Computer, Inc.

Drucker Speicher	Barcode Sch	hriften	Befehlsschrift	Internationa
Kundenspezifische	Befehle	Import/E	Export Einstellunger	h About
Optionen Erw	eiterte Einstellui	ngen	Grauabstufung	Vorlagen
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Label software



cablabel R2	Lite	Pro
Windows 2000 SP4, XP Prof. SP2, Server 2003 SP2, Vista / 32 bit		
Languages	25	19
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 country-specific special characters can be printed – in 25 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.

Technical Data 6

Pinit method Thermal transfer Pinit speed up to mm/s 300 Pinit speed up to mm/s 30, 40, 50, 75, 100, 125 Pinit resolution opi 100.6 2. Material 100.6 Material Hinkows materials* mm 0.055 - 1.2 / 60 - 300 Width Continuous material* mm 0.055 - 1.2 / 60 - 300 Width Continuous material* mm 0.055 - 1.2 / 60 - 300 Width Continuous material* mm 0.055 - 1.2 / 60 - 300 Width Continuous material* mm 0.055 - 1.2 / 60 - 300 Width Continuous material* mm 0.055 - 1.2 / 60 - 300 Width up to mm 3.00 Core diameter up to mm 3.00 Core diameter up to mm 0.013ide or inside Siltenter Rol diameter up to mm 0.013ide or inside Siltenter Subison soft of the printer 114 Siltenter Height k Deptintm 248 Siltenter State sensor for leading edge of the leaber or punching marks and end of material Protessor from the center to the left mm 0 - 53 Stater 248 Silter	1. Printhead	XD4M/300
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Power supply100 - 240 V ~ 50/60 Hz, PFCPower consumptionmax. 300 W		external operation panel, keyboard, scanner or service key
Power consumption max. 300 W	•	
	Temperature / Humidity	10 - 35°C / 30 - 85% not condensing
Approvals CE, FCC class A, CB, CCC, UL	Approvals	CE, FCC class A, CB, CCC, UL

Technical Data 7

40.0		
10. Operation panel		
Buttons/LED display	Pause, Feed, Cancel, Menue, Enter, 4 x Cursor	
LCD graphic display	Text 4 lines, ca. 20 digits per line	
Width x Height mm	60 x 40	
11. Settings		
-	Time, date, digital or analog clock	
	25 language settings	
	system settings, print parameters,	
	interfaces, security	
12. Monitoring		
Stop printing if	End of ribbon	
	End of labels	
	Printhead open	
On the display	Data reception Clock	
	WLAN field intensity Date sheet	
	Ethernet state abc Debug	
	Used memory Input buffer	
	Temperature printhead	
	Access to memory card	
	Remaining quantity of ribbon	
13. Test routines		
System diagnosis	When switched on with testing	
	of printhead	
Short Status,	font list, device list, WLAN state,	
Status print	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, K018-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	
Vector-/TrueType fonts	zoom 2-10. Orientation 0°, 90°, 180°, 270° Size of width and height 0.9 - 128 mm	
vector-/ mue type to this		
	variable zoom, Orientation 360° in steps of 1°	
Font formats	Bold, italic, underlined, outline, negative,	
T OHL IOMALS	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 Deut- sche 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 cha- racters and Start/Stop code depending on code type.	
17. Software		
Programming	J-Script direct program abc-Basic Compiler Database Connector	ming
System diagnosis/	printer monitoring	
Administration	Network Manager	
cab Label software	cablabel R2 Lite*	
	cablabel R2 Pro Easylabel, Codesoft	
Additional	Nicelabel, Bartender,	
Label software	Label Matrix, Labelview	, 0
Windows driver	32/64 bit for Windows 2000 / XP / Server 2003 / Vista / Windows 7 / ■ Server 2008	
Mac driver*	OS X printer driver from	version 10.3
Linux driver*	Testet with Suse 9.0, CUPS based	
Stand-alone operation		
*not for XD4M	Authorised distributior	Standard ■ Option □ h by resellers ○

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

Accessories for basic devices





Cutter

The cutter is used to cut paper, pressure sensitive labels, 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.

There might be restrictions at the use of stiff or curved materials. We recommend the testing of such materials at cab.

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	110	110	20 - 100
Weight of material gr/m ² /cardbo	oard 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
		Perforating	Piling up reached
		Web width mm 0.5 Web distances mm 2.5 or 10	Height of pile up to mm 140 Further heights on request

Delivery program 9

	Part No.	Hardware	dpi
	5959640	Label printer XD4M/	300
	Content of delivery:	Label printer, Power cable Type E+F, Connecting cable USB Operating manual de/e	, Length 1.8 m
	CD-ROM:	Operating manual de/fi Configuration manual de Service manual de/en, Spare part list de/en,	
		Programming manual e Windows printer driver in 19 languages for XP / Server 2003 / Windows 7 / Serve Database Connector e cablabel R2 Lite in 25 l	32/64 bit Windows 2000 Vista / r 2008 n,
	Part No.	Expendable parts	
	5954072.001	Printhead 4/300	
/	5954180.001	Print roller DR4	
	Part No.	Accessories	
	5948000	Cutter	CU4
		Perforation cutter Perforation cutter	PCU4/2,5 PCU4/10
A CONTRACTOR	5541313	Stacker with cutter S	T4/M
0	5959622	Adapter 100	
E Contraction	55xxxxx	Storage table ST4/N	l, 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 Cherry G83-6504 L/	
	5561043	Memory card CompactFlash Typ I	

	Part No.	Interfaces
R	5954200 5954201	Centronics interface RS422/RS485 interface
Q	5954191	Label selection - I/O-Box
	5561041	WLAN-card 802.11 b/g
	Part No.	Connection cable
	5550818	Cable RS232 C 9/9-pin, length 3 m
0	5918008	Patch cable KAT 5e, 3 m grey
	Part No.	Software
forfaunce	5580212	Database Connector Licence
60.000	5580215	Adminstration 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.

The cab delivery program





Label printer XD4



Label printer MACH4



Print module PX-series



Label printer e4

Label dispenser HS150



Label software





Labels



Laser marking systems FL-series





Laser safety housing





11

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