

Trade show edition / autumn 2016



Material guide left-aligned



1.1 Basic versions

For printing on labels and continuous materials, wound on rolls or fanfold. The material is torn off at the jagged tear-off edge. Optionally, it can be cut or externally rewound.

1.2 Dispensing versions P

In addition to the basic model the labels can be dispensed. The label is removed from the liner during the printing process. It can be removed manually or by applicator. Delivery includes I/O interface

Material guide centered



1.3 Basic versions M

For printing on all materials that are wound on rolls or reels resp. fanfold. Especially for very small labels and slim continuous materials such as pressed tubes. There is no need of adjusting the label width on the print head. Suitable print rollers are offered for small and thin materials.

1.4 Dispensing versions MP

In addition to the basic model the labels can be dispensed. The label is removed from the liner during the printing process. It can be removed manually or by applicator. Delivery includes I/O interface



With RFID write/read device

1.5 HF according to ISO/IEC 15693 with 13.56 MHz

1.6 UHF according to ISO/IEC 18000-6C/EPC Class 1 Gen 2

The Smart Labels are printed, the integrated RFID chip is tested and qualified with data. In case of an error the label is marked with a grid print. The write/read commands are implemented in the printer's native language JScript.



1.7 With separator MT

Preferred application with continuous and textile materials as well as pressed tubes. The transfer tape may stick with the textile tape after the printing. With a drive roller, the material is separated from the ribbon. In addition, the accuracy of impression is improved.

Technical details



*Label printer
SQUX 4 MP*

1 Hinged cover

The two-part cover made of impact-proof plastics folds when opened. Only little footprint is needed. The large panoramic window allows to check the consumption of material and track the full printing process.

2 Solid metal chassis

Made of cast aluminum. All components are mounted on it.

3 Peel-off function

The label is removed from its liner via peel-off plate. High accuracy of printing and applying is achieved with the powered rewind assist and pinch rollers.

4 Peripheral connection

Add-on modules are easy to connect. All peripheral devices are plugged in the printer with two pins and fixed with a screw.

5 Ribbon holder

The three-part tightening axles enable a quick and easy exchange of ribbon.

6 Roll holder

The spring-mounted margin stop ensures constant tension during material feed, thus high accuracy of printing. For heavy rolls with core diameters of 76 or 100 mm an adapter is recommended.

7 Internal rewinder

With the rewinder labels or liners with or without a cardboard core can be rewound. The three-part tightening axle allows easy removal of the material.

8 Rocker

The resilient rocker with pulleys made of Teflon dampens the tension at print start, thus improving the accuracy of impression.

Technical data

■ Standard □ Option

Device type		Material guide		Left-aligned				Centered			
Type of print head				4.3	4.3	4	4	4.3	4.3	4	4
Printing method	Thermal transfer			–	–	■	■	–	–	■	■
	Direct thermal/thermal transfer			■	■	–	–	■	■	–	–
Printable resolution		dpi	203	300	300	600	203	300	300	600	
Print speed		up to mm/s	250	250	300	150	250	250	300	150	
Print width		mm	104	108.4	105.7	105.7	104	108.4	105.7	105.7	
Printable area	Distance to locating edge	when left-aligned	mm	2.8	1.2	2.0	2.0	–	–	–	–
		when centered	mm	–				Centered on material			
Material ¹⁾											
On roll or fanfold:	paper, cardboard, plastics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec			■				■			
On roll or reel:	textile, pressed tubes, Smart Label			–				■			
Labels	Width ¹⁾	mm	20 - 116				4 - 110				
	Height ¹⁾	mm	6 - 2,000				4 - 2,000				
	Thickness	mm	0.03 - 0.60				0.03 - 0.60				
Liner material	Width	mm	24 - 120				9 - 114				
	Thickness	mm	0.03 - 0.13				0.03 - 0.13				
Continuous material	Width	mm	24 - 120				4 - 114				
	Thickness	mm	0.05 - 0.50				0.05 - 0.50				
	Weight (cardboard)	up to g/m²	300				300				
Pressed tube	Width ready-for-use	up to mm	–				114				
	Width continuous	mm	–				4 - 85				
	Thickness	up to mm	–				1.1				
Roll	Outer diameter	up to mm	205				205				
	Core diameter	mm	38.1 - 100				38.1 - 100				
Reel	Outer diameter	up to mm	–				205				
	Core diameter	mm	–				38.1 - 76				
	Outer width	mm	–				11 - 114				
Winding				Outside or inside				Outside or inside			
Ribbon ²⁾											
Ink side				Outside or inside							
Roll diameter	up to mm				80						
Core diameter	mm				25.4						
Variable length	up to m				450						
Width ²⁾	up to mm				25 - 114						
Internal rewinder with dispensing device											
Outer diameter	up to mm				142						
Core diameter	mm				38.1 - 40						
Winding				Outside							
Printer sizes and weight											
Width x Height x Depth	mm				252 x 288 x 460						
Weight	kg				10						
Label sensor with position indication											
Gap sensor					For label front edge or punch marks and end of material						
Reflective sensor from below (optionally from top)					For print mark front edge and end of material						
Distance sensor	to locating edge	Left-aligned	mm	5 - 60			–				
	from center to locating edge	Centered	mm	–			0 - 55				
Height of material passage		Standard	mm	2			2				
		Option	mm	4			4				
RFID											
Write/read device	HF ISO/IEC 15693, 13,56 MHz			–			<input type="checkbox"/>				
	UHF ISO/IEC 18000-6C/EPC Class 1 Gen 2			–			<input type="checkbox"/>				
Electronics											
Processor 32 bit clock rate		MHz				800					
Main storage (RAM)		MB				256					
Data storage (IFFS)		MB				50					
Plug-in for SD card (SDHC, SDXC)		up to GB				512					
Battery for time and date, real-time clock					■						
Data storage when power turned off (e. g. serial numbers)					■						
Acoustic signal					■						
Interfaces											
RS232C 1.200 to 230.400 baud/8 bit					■						
USB 2.0 Hi-speed Device for PC connection					■						
Ethernet 10/100/1000 Base-T					LPD, IPv4, IPv6, RawIP printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, NTP, Zeroconf, SOAP web service						
1 x USB host at the operation panel up to 500 mA					For service key or USB stick						
2 x USB host on the back of the device up to 500 mA					For keyboard, barcode scanner, USB stick, Nano Bluetooth USB adapter						
WLAN 802.11b, g, n, access point mode or station mode		GHz				2,4 ■ / 5 □					
Peripheral connection USB host, 24 DC					■						
Digital I/O with 8 in- and outputs		Dispensing/basic device			■ / □						

¹⁾ Limitations may apply to small labels, thin materials or strong adhesives. These applications need to be tested and approved.

²⁾ Ribbon at least according to width of label material in order to avoid folding.








■ Standard □ Option

Operating data		
Power supply		100 - 240 VAC ~ 50/60 Hz, PFC
Power consumption		Standby < 10 W / typical 150 W / maximum 300 W
Temperature /	Operation	0 - 40°C / 10 - 85% not condensing
humidity	Storage	0 - 60°C / 20 - 85% not condensing
	Transport	-25 - 60°C / 20 - 85% not condensing
Approvals		CE, FCC class A, CB, CCC, UL
Operation panel		
	Touchscreen LCD color display	
Screen diagonal	4.3"	
Pixel W x H	272 x 480	
Settings		
	Region: languages country keyboard time zone Print Dispense Cut Apply	Time/date Labels Ribbon Error handling Interpreter/emulation Interfaces
On display		
	Digital clock Data reception WLAN field intensity Ethernet status Bluetooth status	Data recording USB slave status Ribbon remaining USB stick plugged in SD card plugged in
Control		
	Ribbon direction of winding Ribbon pre-warning End of ribbon End of material Peripheral error	Print head tension Print head temperature Print head open Pinch roller open (with dispensing version and separator)
Testing		
System diagnosis	When device is switched on, including automatic print head detection	
Information display, status printout, analysis	List of fonts, list of devices, WLAN status, label profile, test grid, monitor mode, print data recorded on memory card	
Status reports	Printout of device settings, e. g. print length and runtime counter, machine status via software command, display of e. g. network errors - no link, barcode error, peripheral error etc.	
Fonts		
Font types	5 bitmap fonts including OCR-A, OCR-B and 3 vector fonts Swiss 721, Swiss 721 bold and monospace 821 internally provided, TrueType fonts loadable	
Character sets	Windows 1250 to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 to -10 and -13 to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R All Western and Eastern European characters, Latin, Cyrillic, Greek, Hebrew, Arabic, simplified Chinese and Thai characters are supported.	
Bitmap fonts	Size in width and height 1 - 3 mm Zoom factor 2 - 10 Orientation 0°, 90°, 180°, 270°	
Vector/ TrueType fonts	Size in width and height 0,9 - 128 mm Zoom factor freely adjustable Orientation 360° in steps of 1°	
Font styles	Bold, italic, underlined, outline, inverse - depending on the font type	
Character pitch	Variable or monospace for steady character pitches	



Graphics			
Graphic elements	Lines, arrows, rectangles, circles, ellipses, 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 EAN 8, 13 EAN/UCC 128/GS1-128 EAN/UPC appendix 2 EAN/UPC appendix 5 FIM HIBC	Interleaved 2/5 Ident and lead code of Deutsche Post AG Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0	
2D and stacked codes	Aztec Codablock F DataMatrix PDF417 Micro PDF417 UPS MaxiCode QR code RSS 14 truncated, limited, stacked and stacked omnidirectional EAN/GS1 DataMatrix GS1 DataBar All codes are flexible in height, modular width and ratio. Orientation 0°, 90°, 180°, 270° Options: check numbers, plain writing printout and start/stop code depending on type of code		
Software			
Programming	Direct programming with printer language JScript abc Basic Compiler Database Connector		■ ■ ■
Emulation	ZPL		■
Control/ administration	Printer control Administration Network Manager		■ ■
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print		■ ■ □ □
Also running with	CODESOFT NiceLabel EASYLABEL BarTender		
WHQL certified Windows printer drivers for	Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10	Server 2003 Server 2008 Server 2008 R2 Server 2012 Server 2012 R2	■
Apple Mac drivers	OS X printer drivers valid from version 10.6		■
Linux drivers	Valid from CUPS 1.2		■
Stand-alone operation			■

Product range







Label printers

Pos.		Part no.	Devices
1.1		5977014	Label printer SQUIX 4.3/200
		5977015	Label printer SQUIX 4.3/300
		5977001	Label printer SQUIX 4/300
		5977002	Label printer SQUIX 4/600
1.2		5977016	Label printer SQUIX 4.3/200P
		5977017	Label printer SQUIX 4.3/300P
		5977004	Label printer SQUIX 4/300P
		5977005	Label printer SQUIX 4/600P
1.3		5977018	Label printer SQUIX 4.3/200M
		5977019	Label printer SQUIX 4.3/300M
		5977010	Label printer SQUIX 4/300M
		5977011	Label printer SQUIX 4/600M
1.4		5977022	Label printer SQUIX 4.3/200MP
		5977023	Label printer SQUIX 4.3/300MP
		5977007	Label printer SQUIX 4/300MP
		5977008	Label printer SQUIX 4/600MP
		Part no.	Special devices
1.5		5977xxx.102	Printer with RFID HF, basic and dispensing version with centered material guide Label printer SQUIX x/xxxM-RFID/HF Label printer SQUIX x/xxxMP-RFID/HF "x" - choose device from Pos. 1.3/1.4
1.6		5977xxx.120	Printer with RFID UHF, basic and dispensing version with centered material guide Label printer SQUIX x/xxxM-RFID/UHF Label printer SQUIX x/xxxMP-RFID/UHF "x" - choose device from Pos. 1.3/1.4
1.7		5977xxx.355	Printer with separator, basic version with centered material guide Label printer SQUIX x/xxxMT "x" - choose device from Pos. 1.3
<p>Scope of delivery: Label printer, power cable type E+F, length 1,8 m connecting cable USB, length 1,8 m operator's manual de/en</p> <p>DVD: Operator's manual in more than 20 languages configuration manual de/en/fr service manual de/en spare parts list de/en programming manual en WHQL certified Windows printer drivers for Windows Vista Server 2003 Windows 7 Server 2008 Windows 8 Server 2008 R2 Windows 8.1 Server 2012 Windows 10 Server 2012 R2 Apple Mac OS X drivers de/en/fr Linux drivers de/en/fr Label software cablabel S3 Lite cablabel S3 Viewer Database Connector</p>			

Wear parts














Pos.		Part no.	Print heads
2.1		5977382.001	Print head 4.3/200
		5977383.001	Print head 4.3/300
		5977444.001	Print head 4/300
		5977380.001	Print head 4/600
		Part no.	Print and rewind assist rollers
2.2		5953700.001	Print roller DRK4-25
		5953701.001	Print roller DRK4-50
		5953702.001	Print roller DRK4-80
		5954180.001	Print roller DRK4-120
		5954183.001	Rewind assist roller RRK4-120
		5954985.001	Print roller DRS4-120

Accessories


Pos.		Part no.	Extra equipment
2.3		5977339.001	Antistatic brush
2.4		5977590.001	Label sensor 2
2.5		5977530.001	Label sensor 4
2.6		5959622.001	Adapter 100
2.7		5977370	SD card 4 GB
2.8		5977730	USB stick 4 GB
2.9		5977731	WLAN stick 802.11n 5 GHz
2.10		5977732	Nano Bluetooth USB adapter
2.11		5978911	Barcode tester for linear and 2D barcodes
		Part no.	Dispensing labels
2.12		5977585	Present sensor PS800
2.13		5977538	Present sensor PS900
2.14		5977538	Present sensor PS1000 MP
2.15		5978908.001	Extended peel-off plate DP410
2.16		5978909	Product sensor

Accessories

Pos.		Part no.	Interfaces
3.1		5977369.001	I/O interface
3.2		5917651	I/O interface connector SUB-D 25 pin
3.3		5948205	Label selection - I/O box
		Part no.	Connecting cable
4.1		5550818	Connecting cable RS232 C 9/9 pin, length 3 m
		Part no.	Cutting, perforating, stacking
5.1		5978900	Cutter CU400 with cutter tray
5.2		5978901	Perforation cutter PCU400
5.3		5978902	Stacker with cutter and base frame ST400
		5xxxxxx*	Storage table ST400, label W x H
		Part no.	Rewinding, unwinding labels
6.1		5978903.001	Rewind guide plate RG400
6.2		5978904	External rewinder ER4200
6.3		5978905	External rewinder ER4300
6.4		5978907	External unwinder EU4390
		Part no.	Applicators and dispensing modules
7.1		5976086 5976087 5976088	Applicator S1000-220 Applicator S1000-300 Applicator S1000-400
7.2		5xxxxxx*	Tamp pad A1021 W x H
		5949072	Universal tamp pad A1021 70 x 60
		5949075	Universal tamp pad A1021 90 x 90
7.3		5xxxxxx*	Tamp pad A1321 W x H
		5949076	Universal tamp pad A1321 116 x 102
		5949077	Universal tamp pad A1321 116 x 152

Pos.		Part no.	Applicators and dispensing modules
7.4		5xxxxxx*	Blow pad A2021 W x H
7.5		5xxxxxx*	Roll-on pad A1411 W x H
7.6		5976084	All-around labeler
7.7		5976085	Applicator S3200
7.8		5xxxxxx*	Tamp pad A3200-1100 W x H
7.9		5xxxxxx*	Blow pad A3200-2100 W x H
7.10		5976083	Dispensing module S5104
		Part no.	Mounting equipment
8.1		5978910	Mounting plate
8.2		5958365 5965929 5971136	Profile 40 Profile 80 Profile 120
8.3		5961203	Base plate 500 x 255
8.4		5947400	Floor stand 1600
8.5		5978922	Printer holder
		Part no.	Label software
11.7		5588000	cablabel S3 Lite
		5588001	cablabel S3 Pro 1 WS
		5588100	cablabel S3 Pro 5 WS
		5588101	cablabel S3 Pro 10 WS
		5588150	cablabel S3 Pro 1 additional licence
		5588151	cablabel S3 Pro 4 additional licences
		5588152	cablabel S3 Pro 9 additional licences
		5588002	cablabel S3 Print 1 WS
		5588105	cablabel S3 Print 5 WS
		5588106	cablabel S3 Print 10 WS
		5588155	cablabel S3 Print 1 additional licence
		5588156	cablabel S3 Print 4 additional licences
		5588157	cablabel S3 Print 9 additional licences
		In preparation	cablabel S3 Print Server
1110		9009950	Programming manual en, printed copy

* User specific part no. following request

 Headquarters and fabrication in Germany

 to  International subsidiaries

There are further 820 distribution partners in more than 80 countries.



Europe

Germany

cab Produkttechnik GmbH & Co KG
Wilhelm-Schickard-Str. 14
76131 Karlsruhe
phone +49 721 6626 0
fax +49 721 6626 129
info@cab.de
www.cab.de

France

cab Technologies S.à.r.l.
2a Rue de la Moder
Z.A. Nord du Val de Moder
67350 Niedermörsen
phone +33 388 722501
fax +33 388 722502
info.fr@cab.de
www.cab.de/fr

America

USA

cab Technology, Inc.
87 Progress Avenue Unit 1
Tyngsboro, MA 01879
phone +1 978 649 0293
fax +1 978 649 0294
info.us@cab.de
www.cab.de/us

Latin America

Alejandro Balmaceda
Hacienda Jurica Pte 1615
Colonial de Valle
32553 Juárez, Mexico
phone +52 656 682 3745
fax +52 656 682 4301
a.balmaceda@cab.de
www.cab.de/es

Asia

Taiwan

cab Technology Co., Ltd.
希愛比科技股份有限公司
16F-1, No. 700, Zhong Heng Rd
Junghe, Taipei 23552
phone +886 (02) 8227 3966
fax +886 (02) 8227 3566
info.asia@cab.de
www.cab.de/tw

China

cab (Shanghai) Trading Co., Ltd.
铠博(上海)贸易有限公司
A507, No. 268, Tong Xie Rd
Shanghai 200335
phone +86 (021) 6236 3161
fax +86 (021) 6236 3162
info.cn@cab.de
www.cab.de/cn

cab (Shanghai) Trading Co., Ltd.
铠博(上海)贸易有限公司
Room 39, 10F, 8 Lin He Zhong Rd
Tian He District, Guangzhou 510610
phone +86 (020) 2831 7358
info.cn@cab.de
www.cab.de/cn

Africa

South Africa

cab Technology (Pty) Ltd.
14 Republic Street
Bordeaux
2125 Randburg
phone +27 11 886 3580
fax +27 11 789 3913
info.za@cab.de
www.cab.de/za