

# Technical data

● typical ○ possible ■ standard □ option

Label printer		Type	1.1, 1.2		1.3, 1.4			1.5, 1.6		1.7, 1.8			1.9				
			SQUIX 2		SQUIX 4.3		SQUIX 4	SQUIX 6.3		SQUIX 4.3 M		SQUIX 4 M	SQUIX 4.3MT	SQUIX 4 MT			
Material guidance			left-aligned						centered								
Printing method	Thermal transfer		●	●	●	●	●	●	●	●	●	●	●	●	●		
	Thermal direct		○	-	●	●	○	-	●	●	○	-	●	○	-		
Printable resolution	dpi		300	600	203	300	300	600	203	300	203	300	300	600	300	600	
Print speed	up to mm/s		250	150	300	300	300	150	250	250	300	300	300	150	300	150	
Print width	up to mm		56.9	54.1	104	108.4	105.7	105.7	168	162.6	104	108.4	105.7	105.7	108.4	105.7	105.7
Initial print	Distance to locating edge	mm	2		2.8		1.2	2		0.5		3.2		centered			
<b>Material<sup>1)</sup></b>																	
Paper, cardboard, plastics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec			●		●			●		●			●		●		
Shrink tube	ready for use		-		○			○		●			○				
	continuous, pressed		-		-			-		●			○				
Textile tape			-		-			-		○			●				
Packing	wound on a roll, fanfold		●		●			●		●			●				
	wound on a reel		-		-			-		●			●				
	Roll diameter	up to mm	205														
	Core diameter	mm	38.1 - 76														
Winding			outside or inside														
Labels	Width	mm	4 - 63		20 - 116			46 - 176		4 - 110			4 - 110				
	Height	no label backfeed <sup>2)</sup>	from mm	4		4			6		3			4			
		label backfeed <sup>2)</sup>	from mm	4		6			12		4			6			
	label backfeed peel-off	from mm	6		6			12		6			-				
Thickness			mm 0.03 - 0.6														
Liner	Width	mm	24 - 67		24 - 120			50 - 180		9 - 114			9 - 114				
	Thickness	mm	0.03 - 0.16														
Continuous material	Width	mm	24 - 67		24 - 120			50 - 180		9 - 114			9 - 114				
	Thickness	mm	0.05 - 0.5														
	Weight (cardboard)	up to g/m <sup>2</sup>	300														
Shrink tube	Width	ready for use	-		120			-		114			114				
	continuous, pressed	mm	-		-			-		4 - 85			4 - 85				
	Thickness	up to mm	-		1.1			-		1.1			1.1				
Ribbon <sup>3)</sup>	Coating			outside or inside													
	Roll diameter	up to mm	90														
	Core diameter	mm	25.4														
	Length	up to m	600														
	Width	mm	25 - 67		25 - 114			50 - 170		25 - 114			25 - 114				
<b>Internal rewinder provided on peel-off devices</b>																	
Outside diameter	up to mm	142															
Core diameter	mm	40															
Winding			outside														
<b>Printer dimensions and weights</b>																	
Width x Height x Depth	mm	200 x 288 x 460		252 x 288 x 460			312 x 288 x 460		252 x 288 x 460			252 x 288 x 460					
Weight	kg	9		10			14		10			10					
<b>Label sensors to indicate positions</b>																	
Transmissive sensor			detecting labels or punch marks and materials ending, print marks on translucent materials														
Reflective sensor			reflex from below or top detecting labels and materials ending, print marks on non-translucent materials														
Sensor distance	to locating edge	left-aligned mm	5 - 26		5 - 60			5 - 60		-			-				
	from centre to locating edge	centered mm	-		-			-		0 - 55			0 - 55				
Material passage	up to mm	2															
<b>Electronics</b>																	
Processor 32 bit clock rate	MHz	800															
Main memory (RAM)	MB	256															
Data memory (IFFS)	MB	50															
Port to plug a SD memory card (SDHC, SDXC)	up to GB	512															
Battery to indicate time and date, real-time clock			■														
Data memory when power turns off (e.g. serial numbers)			■														
<b>Interfaces</b>																	
RS232-C 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, VNC														
1 USB host on the operation panel	to plug a	service key, USB memory stick, USB WLAN stick, USB Bluetooth adapter															
2 USB hosts on the back of the device	to plug a	keyboard, barcode scanner, USB memory stick, USB WLAN stick, USB WLAN stick with a rod antenna, USB Bluetooth adapter, an external operation panel															
USB host, 24 VDC, to plug peripherals			■														
Digital I/O interface providing 8 inputs and outputs			□														

<sup>1)</sup> Specifications are standard values. Applications with small or strongly adhesive labels have to be tested, so are thin, slim, thick or stiff materials.

<sup>2)</sup> when labels are torn off, cut, rewound

<sup>3)</sup> A ribbon should be at least as wide as the liner.

# Technical data

■ standard □ option

Operating data		
Voltage	100 - 240 VAC, 50/60 Hz, PFC	
Power consumption	<10 W in standby / typical are 100 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
Setup options		
	Print Labels Ribbon Tear-off Peel-off Cut Apply Interfaces Error	Region: - Language - Country - Keyboard - Time zone Time Display: - Brightness - Power saving mode - Orientation Interpreter
Status bar		
	Reception of data Record data stream Pre-warning to a ribbon ending SD memory card plugged USB memory stick plugged	Bluetooth WLAN Ethernet USB slave Time
Controls		
	Ribbon winding Ribbon pre-warning Ribbon ending Material ending	Print head voltage Print head temperature Print head open Pinch roller open (peel-off device, separator) Peripheral error
Test routines		
System diagnostics	and print head detection at start up	
Display of information, test printout, analysis	Status printout	Test grid
	Fonts list	Label profile
	List of devices WLAN status	List of events Monitor mode
Status reports	- Printout of printer settings such as print lengths and service hours so far - Device status request by software command - Display of network errors, links missing, barcode errors, peripheral errors, etc. on the operation panel	
Fonts		
provided internally	5 bitmap fonts: 12 x 12 dots 16 x 16 dots 16 x 32 dots OCR-A OCR-B	7 vector fonts: AR Heiti Medium GB-Mono CG Triumvirate Cond. Bold Garuda HanWangHeiLight Monospace 821 Swiss 721 Swiss 721 Bold
to store	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 Eastern European Chinese, simplified Chinese, traditional Thai	
Bitmap fonts	Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 270°	
Vector / TrueType fonts	Widths and heights 0.9 - 128 mm Continuous zoom Orientation 360° in steps of 1°	
Font styles	bold, italic, underlined, outline, inverse - depending from the font type	
Character spacing	variable or monospace	

Graphics		
Elements	lines, arrows, rectangles, circles, ellipses - filled and gradient	
Formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
Codes		
1D barcodes (linear)	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 routing code of Deutsche Post Codabar JAN 8, 13 MSI Plessey Postnet 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 may vary in height, modular width and ratio. Orientations 0°, 90°, 180°, 270° Check digits, plain text printouts and start/stop codes are options depending from the type of code.
Software		
Label software	cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print	■ ■ □ □
Running also with	CODESOFT NiceLabel BarTender	
Stand-alone operation		■
Windows printer drivers WHQL certified	Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10	Server 2008 Server 2008 R2 Server 2012 Server 2012 R2 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 the Intranet and Internet Network Manager (in preparation)	■ ■ ■

cab makes use of free and Open Source software in its products.  
See information provided on [www.cab.de/opensource](http://www.cab.de/opensource)

## OPC UA

All the latest cab printers are ready to interact with machines and components of different manufacturers in industrial plants.

An OPC UA server and a client are a part of the firmware.



For further data see also the Internet:  
[www.cab.de/en/opcua](http://www.cab.de/en/opcua)