soabar DCQ Specification

● typical   ■ standard   □ option

Label Printer			DCQ 4" Width	DCQ 6" Hard Wearing Head
Guidance of materials			Aligned to the left	
Print method		Thermal transfer	●	
Print resolution		dpi	300	300
Print speed		mm/s max.	150	150
Print width		mm max.	105.7	162.6
Print length		mm max.	3,000	2,000
Automated ribbon saving			●	●
Material				
Paper, cardboard, synthetics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec			●	
Textile tape			●	-
Finishing	Roll		●	
	Roll diameter	mm max.	300	
	Core diameter	mm	76	
	Winding		outside or inside	
Label	Width	mm	20 - 116	46 - 176
	Height	mm at least	10	
	Thickness	mm max.	0.1	
Liner	Width	mm	24 - 120	50 - 180
	Thickness	mm	0.03 - 0.16	
Continuous	Width	mm	24 - 120	50 - 180
	Thickness	mm	0.03 - 0.5	
	Weight (cardboard)	g/mmax.	300	
Ribbon	Color side		outside or inside	
	Roll diameter	mm max.	80	
	Core diameter	mm	25.4	
	Length	m max.	450	
	Width	mm max.	114	170
Printer dimensions, widths				
Width x Height x Depth		mm	248 x 395 x 554	358 x 395 x 554
Weight		kg	22	24
Label sensors, position indicators				
Transmissive sensor		detecting	labels, punch marks, materials ending, print marks on translucent materials	
Reflective sensor from below or top		detecting	labels, materials ending, print marks on non-translucent materials	
Sensor distance to locating edge		mm	5 - 60	
Material passage		mm max.	2	
Electronics				
Processor, 32 bit clock rate		MHz	800	
RAM		MB	256	
IFFS		MB	50	
Port for plugging a SD memory card (SDHC, SDXC)		GB max.	512	
Battery for indicating time and date, real-time clock			■	
Data kept in memory (e.g. serial numbers) when power turns off			■	
Interfaces				
RS232-C 1,200 to 230,400 baud / 8 bit			■	
USB 2.0 Hi-Speed device to plug a PC			■	
Ethernet 10/100 Mbit/s IPv4 and IPv6			LPD, RawIP printing, SOAP web service, OPC UA, WebDAV DHCP, HTTP/HTTPS, FTP/FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC	
2 USB hosts on the control panel, 2 USB hosts on the back of a unit			Service key, USB stick, USB WLAN stick, USB WLAN stick with a rod antenna keyboard, barcode scanner, external control panel	
USB host, 24 VDC, for peripheral plugging			■	
Digital I/O interface providing 8 inputs and 8 outputs			□	

Aftersales support
on going sales support
at no extra cost

Technical support
Telephone and remote desktop
support by soabar engineers

Free installation
Full onsite installation by our
team of trained engineers

Free training
Software and machine training
included with all our printers

On-site warranty
A full on site warranty is
included with our printers

Technical data

Operating data

Voltage	100-240 VAC, 50/60 Hz, PFC
Consumption of power	<10 W in standby / 100 W in typical operation / max. 200W
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, UKCA, FCC Class A, ICES-3, cULus, CB, CCC, BSMI, Mexico Reg.
in preparation	BIS, KC-Mark

Control panel

Color LCD touchscreen	Diagonal " 4.3
	Resolution Width x Height px 272 x 480

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

	Receive data	WLAN
	Record datastream	Ethernet
	Warning to a ribbon ending	USB Slave
	SD memory card plugged	Time
	USB stick plugged	

Controls

	Ribbon 1/2	Print head 1/2
	- Winding	- Voltage
	- Prior warning	- Temperature
	- End of ribbon	- open
	Running out of material	Peripheral error

Test routines

System diagnostics	upon startup, detection of print head included	
Information display, test printout, analysis	Status printout	Test grid
	Fonts list	Label profile
	List of units	List of events
	WLAN status	Monitor mode
Status reports	- Printout of print durations, running hours, etc. Status of a unit requested by software code	
	- Display of errors related to a network, barcode or peripheral device, as well as links missing	

Fonts

Integral	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
For storing	TrueType fonts	
Sets of characters	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	Arabian

Fonts

Bitmap	1 mm to 3 mm wide and high Zoom factors 2 to 10 0°, 90°, 180°, 270° orientations
Vector / TrueType	0.9 mm to 128 mm wide and high Continuous zoom 360° orientation in steps of 1°
Styles	bold, italic, underlined, outline, inverse - depending on the font type
Character spacing	proportional or monospace

Graphics

Elements	lines, arrows, rectangles, circles, ellipses - filled or gradient
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 code, stacked codes	DataMatrix DataMatrix Rectangle Extension QR code Micro QR code rMQR code GS1 QR code GS1 DataMatrix GS1 Digital Link (QR and 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. 0°, 90°, 180°, 270° orientations	
	Feasibility of check digits, plain text printouts and start/stop coding depends on the type of code.	

Software

Label software	cablabel S3 Lite		■
	cablabel S3 Viewer		■
	cablabel S3 Pro		□
	cablabel S3 Print		□
Running also with	CODESOFT Loftware Spectrum NiceLabel BarTender		
Stand-alone operation			■
Windows printer drivers certified WHQL for	Windows 10 Windows 11	Server 2016 Server 2019 Server 2022	■
Apple printer drivers	Mac OS X 10.6 or any later release		■
Linux printer drivers	CUPS 1.2 or any later release		■
Programming	JScript printer language		■
	abc Basic Compiler		■
	ZPL II (datastream be tested in advance)		□
Integration	SAP		■
	Database Connector		■
Administration	Printer control		■
	Configuration on the Intranet and Internet		■

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