soabar DTQ Specification

● typical ■ standard □ option

Label Printer			DTQ XD 4" Width	DTQ XD 2" Width
Guidance of materials			centered	centered
Print method	Thermal transfer		●	●
Print resolution		dpi	300	600
Print speed		mm/s max.	150	100
Print width		mm max.	105.7	54.1
Print length		mm max.	3,000	1,500
Automated ribbon saving			●	●
Materials [1]				
Paper, cardboard, synthetics PET, PE, PP, PI, PVC, PU, acrylate, Tyvec			●	
Shrink tube	ready for use		●	
	continuous, pressed		●	
Textile tape			●	
Finishing	Roll, fanfold		●	
	Roll diameter	mm max.	300	
	Core diameter	mm	38.1 - 76	
	Winding		outside or inside	
Label	Width	mm	10 - 110	
	Height	mm at least	20	
	Thickness	mm max.	0.1	
Liner	Width	mm	14 - 114	
	Thickness	mm	0.03 - 0.16	
Continuous	Width	mm	4 - 114	
	Thickness	mm	0.03 - 0.5	
	Weight (cardboard)	g/m²max.	300	
Shrink tube	Width ready for use	mm max.	114	
	continuous, pressed	mm	4 - 85	
	Thickness	mm max.	1.1	
Ribbon [2]	Color side		outside or inside	
	Roll diameter	mm max.	80	
	Core diameter	mm	25.4	
	Length	m max.	450	
	Width	mm max.	114	
Printer dimensions, weight				
Width x Height x Depth / Weight		mm/kg	248 x 395 x 594 / 21	
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 centre to locating edge		centered mm	0 - 55	
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			□	

[1] Specifications are standards. Operations including small, slim, thick or stiff materials need testing, so do strongly adhesive labels.
[2] A ribbon should be at least as wide as the liner material.
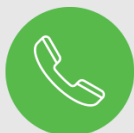
Aftersales support
on going sales support
at no extra cost

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

standard ■ option □

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 /Operation	+5- 40°C / 10 - 85 %, not condensing
humidity 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, BIS, BSMI, KC-Mark, Mexico Reg.

Control Panel

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

Setup options

Print Labels Ribbon Tear off Cut Interfaces Error	Region: - Language - Country - Keyboard - Time zone Time Display: - Brightness - Power saving mode - Orientation Interpreter

Status bar

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

Controls

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

Test routines

System diagnostics	upon startup, detection of print head included
Information display, test printout, analysis	Status printout Test grid Font lists 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 command
	- 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 codes, 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, 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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