

Technical data

■ Standard □ Option

	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.10
Label printer	A2+	A4+	A6+	A8+	A4+M	XD4	A4+T	XD4T	XC4	XC6
Print head										
Print method	Thermal transfer									
	Thermal direct									
Print resolution dpi	300	600	203	300	600	203	300	300	300	300
Print speed up to mm / s	150	100	250	250	100	200	200	150	125	100
Print width mm	54,2	57	104	105,6	105,6	168	162,6	216	105,6	105,6
Material										
Labels, continuous rolls or fanfolded	Paper, cardboard, textile, plastics such as PET, PE, PP, PI, PVC, PU, acrylate									
Material thickness mm / weight g / m ²	0,05 - 0,8 / 60 - 300					0,05 - 0,2 / 60 - 180				
Width labels ¹⁾ mm	4 - 63		20 - 116		46 - 176		46-220		4 - 106	
continuous material / liner mm	25 - 67		24 - 120		50 - 180		50-235		10 - 110	
continuous shrink tube mm	10 - 67		25 - 85		-		-		4 - 85	
Height ¹⁾ without back-feed from mm	4	4	4	4	4	6	6	10	5	5
when dispensing ¹⁾ from mm	12	12	12	12	12	25	25	-	-	-
up to mm	5000	2000	5000	4000	1000	4000	3000	2000	4000	1000
Media roll Outside diameter up to mm	205					205				
Core diameter mm						38 - 100				
Winding	Outside or inside									
Ribbon										
Ink	Outside or inside									
Roll diameter up to mm	80					72				
Core diameter mm	25					25				
Ribbon length variable up to m	500					360				
Width ²⁾ up to mm	57		114		165		220		114	
Internal rewinder (only for peel-off version)										
Outside diameter up to mm	142					-				
Core diameter mm	38,1					-				
Winding	Only outside					-				
Dimensions Printer										
Height mm	274					395				
Depth mm	446					554				
Width mm	190		242		302		352		242	
Weight kg	8,5		9		13		15		9	
Label sensor										
Gap sensor	For leading edge or punch marks and end of material									
Reflective sensor from the bottom / optional from the top	For print marks									
Distance to locating edge mm	5 - 26		5 - 53		5 - 53		-		5 - 53	
Distance from center to the left mm	-		-		-		0 - 53		-	
Electronics										
Processor 32 Bit clock rate MHz						266				
RAM MB						64				
Memory IFFS MB Flash						8				
Slot for CompactFlash Type I memory card						■				
Slot for Wireless LAN card						■				
Battery buffer for real-time clock, printout of time and date, data storage on shut-down						■				
Warning signal: acoustic signal in case of error						■				
Interfaces										
Centronics bi-directional acc. to IEEE 1284						□				
RS232 C 1.200 up to 230.400 Baud / 8 Bit						■				
USB 2.0 High Speed Slave for PC connection						■				
Ethernet 10 / 100 Base T, LPD, RawIP-printing, ftp printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP						■				
RS422, RS485 1.200 up to 230.400 Baud / 8 Bit						□				
Peripheral connection						■				
WLAN Card 802.11b/g WEP/WPA PSK (TKIP)						□				
2 x USB master for external operation panel, keyboard, scanner, service key, USB flash drive						■				
Operating data										
Power supply	100 - 240 V ~ 50 / 60 Hz, PFC									
Power consumption	100 - 300 W depending on type of printer									
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, CB, CCC, UL									

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

²⁾ The ribbon should roughly be the same width as the label in order to avoid folding.

Operation panel	
Buttons/LED display	Pause, Feed, Cancel, Menu, Enter, 4 x Cursor
LCD graphic display	Width 60, Height 40 mm, Text 4 lines, approx. 20 characters per line
Settings	
Digital or analog clock	Time
System settings	Date
Print parameters	Interfaces
25 language settings	Security
On the Display	
Data reception	Clock
WLAN field intensity	Date sheet
Ethernet status	abc Debug
Used memory	Input buffer
Temperature printhead	Remaining ribbon
Access to memory card	
Monitoring	
Stop printing if	End of ribbon End of labels Printhead open Final position not reached
Test routines	
System diagnosis	When switched on, including printhead testing
Short status, status print	Font list, device list, WLAN Status, label profile, test grid, monitor mode, PPP status
Status reports	Status printout with information about settings, e.g. print length counter, runtime counter, etc. Request of status via software command. Status messages on the display, e.g. network error - no link, barcode error, etc.
Fonts	
Font types	5 Bitmap fonts, incl. OCR-A, OCR-B and 3 Vector Fonts Swiss 721, Swiss 721 Bold and Monospace 821 internally available, loadable TrueType fonts. Thai and Chinese (simplified Chinese) available as option.
Character sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBC DIC 500, ISO 8859-1 up to -10 and -13 up to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R. All West and East European Latin, Cyrillic, Greek, Hebrew and Arabic characters are supported. Thai and Chinese available as option.
Bitmap fonts	Size of width and height 1 – 3 mm Zoom 2 – 10 Orientation 0°, 90°, 180°, 270°
Vector- / TrueType fonts	Size of width and height 0,9 – 128 mm Variable zoom, Orientation 360° in steps of 1°
Font formats	Bold, Italic, underlined, outline, inverse, depending on character fonts
Font width	Variable

Graphics		
Graphic elements	Line, arrow, box, circle, ellipse, filled and filled with fading	
Graphic formats	PCX, IMG, BMP, TIF, MAC, GIF, PNG	
Barcodes		
Linear barcodes	Code 39, Code 93	Interleaved 2 / 5
	Code 39 Full ASCII	Ident- and lead code of Deutsche Post AG
2D codes	Code 128 A, B, C	Codabar
	EAN 8, 13	JAN 8, 13
	EAN / UCC 128	MSI
	EAN / UPC Appendix 2	Plessey
	EAN / UPC Appendix 5	Postnet
	FIM	RSS 14
	HIBC	UPC A, E, E0
	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 are variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and start/stop code depending on type of code.	
	Software	
Programming	J-Script direct programming abc-Basic Compiler Database Connector	■ ■ □
System diagnosis/administration	Printer monitoring Network Manager	■ □
Label software	cablabel R2+ Codesoft, NiceLabel, Easylabel Bartender, Label Matrix, Labelview	■ ○□ ○
Windows driver certified	32 / 64 bit für Windows XP Windows Vista Windows 7 Windows 8	Server 2003 Server 2008 Server 2008 R2 Server 2012 ■
Mac- driver*	OS X printer driver from version 10.6	■
Linux driver*	32/64 Bit from CUPS 1.2	■
Stand-alone-operation		■
*only A+ series		