

**MOBILE PRINTERS**



	B-FP2D		B-FP3D Plus			B-FP3D		B-EP4DL		
	GH30	GH50	GH30	GH40	GH52	GS30	GS40	GH32	GH42	
<b>Print Method</b>	Direct Thermal									
<b>Printhead</b>	Flat head									
<b>Dimensions (W x D x H)</b>	97 x 130 x 69 mm			116 x 150 x 80 mm			150 x 145 x 75 mm			
<b>Weight</b>	465 g (with battery)			700 g (with battery)			860 g (with battery)			
<b>LCD Display</b>	Colour LCD-Display, 128x128 Pixel, 2 x LEDs (green, orange, red)						16 character, one line			
<b>Control panel</b>	3 Keys: Power, Feed, Pause									
<b>Temperature</b>	<b>Operating-temperature</b>		-15° to 40° C			-15° to 50° C		-15° to 50° C	0° to 50° C	
	<b>Storage-temperature</b>		-25° to 60° C						-20° to 50° C	
<b>Humidity</b>	25 to 85% relative humidity without condensation									
<b>Power supply</b>	Lithium-ion battery, 2,500 mAh - 7.4 V						Lithium-ion battery, 2,600 mAh, 14.8 V			
<b>Memory</b>	<b>S-RAM</b>		32 MB			16 MB		16 MB		
	<b>Flash ROM</b>		128 MB			64 MB			8 MB	
<b>Sensor</b>	<b>Reflective / Black Mark</b>		v			v		v		
	<b>Transmissive / Label gap</b>		v			v		v		
	<b>Batch</b>		v			v		v		
<b>Resolution</b>	203 dpi			203 dpi			203 dpi		300 dpi	
<b>Print speed (max.)</b>	152.4 mm/sec			152.4 mm/sec			105 mm/sec			
<b>Print width (max.)</b>	54 mm			72 mm			104 mm			
<b>Print length (max.)</b>	Batch: 995 mm / Peel-off: 60 mm						Batch: 995 mm / Peel-off: 80 mm			
<b>Barcodes</b>	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Interleaved 2 of 5, Postnet, RM4SCC, KIX-Code, GS1 Databar, Plessey						UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Interleaved 2 of 5, RSS			
<b>2D Codes</b>	Data Matrix, PDF 417, Maxicode, QR Code, Micro PDF 417, Micro QR, GS1 Databar Matrix						Data Matrix, PDF 417, Maxicode, QR Code, Micro PDF 417			
<b>Fonts</b>	Bitmap font, Outline font, Price font, TrueType font, OpenType font									
<b>Alignment</b>	Centred									
<b>Media width</b>	26 to 58 mm		24 to 80 mm			50 to 115 mm				
	<b>Batch mode</b>		10 to 999 mm						10 to 997 mm	
	<b>Peel-off mode</b>		13 to 67 mm			13 to 67 mm			13 to 87 mm	
<b>Media thickness</b>	0.058 to 0.165 mm									
<b>Roll diameter (max.)</b>	60 mm			68 mm			68 mm			
<b>Ribbon length (max.)</b>	-									
<b>Ribbon core diameter</b>	-									
<b>Serial / RS232C</b>	-									
<b>Parallel / Centronics</b>	-									
<b>USB</b>	USB-C		Mini USB-Type B			Mini USB-Type B				
<b>Start / Stop interface (I/O)</b>	-									
<b>LAN</b>	-									
<b>SD-Card interface</b>	-									
<b>USB-Host interface</b>	-									
<b>Infrared interface</b>	-									
<b>Bluetooth</b>	V2.1 + EDR	V2.1 + EDR	V2.1 + EDR	-	V2.1 + EDR	V2.1 + EDR	-	V2.1 + EDR	-	
<b>WLAN</b>	-	Dual Band, IEEE 802.11 a/b/g/n	-	IEEE 802.11 b/g/n	Dual Band, IEEE 802.11 a/b/g/n	-	IEEE 802.11 b/g/n	-	Dual Band, IEEE 802.11 a/b/g/n	
<b>Printer driver</b>	Windows 10/8/7/Vista (32/64 bit), Windows Server 2012 / 2016 (32/64 bit), OPOS, JPOS									
<b>SDK</b>	Linux / CUPS, SAP			SAP						
<b>Label-Software</b>	IOS, Android, Windows Mobile									
<b>Printer language</b>	BarTender UltraLite									
<b>Emulation</b>	ZPL, CPCL, SATO			ZPL, CPCL			ZPL, CPCL			
<b>Ribbon Save Module</b>	-									
<b>Peel-off Module</b>	v			v			v			
<b>Cutter</b>	-									
<b>Linerless kit</b>	optional									
<b>RFID Module (UHF)</b>	-									
<b>Real time clock</b>	-									
<b>Standard included</b>	Belt clip & cleaning pen									
<b>Other Options</b>	High-throughput spare battery, 1 & 6 battery slot chargers, AC adapter, DC adapter, shoulder strap									
	1 & 4-slot printer charging cradle, carry case									

**DESKTOP PRINTERS**



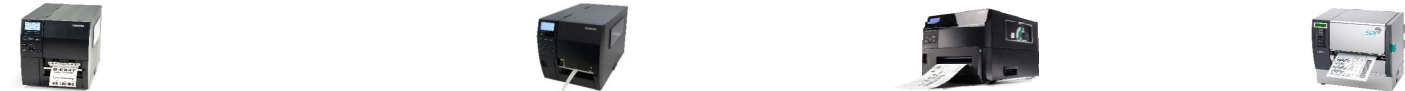
	B-EV4D		B-EV4T		B-FV4D		B-FV4D Courier/Linerless		B-FV4T	
	GS14	TS14	GS14	TS14	GS14	TS14	GH14	GL14	GS14	TS14
<b>Print Method</b>	Direct Thermal		Direct Thermal & Thermal Transfer		Direct Thermal				Direct Thermal & Thermal Transfer	
<b>Printhead</b>	Flat head									
<b>Dimensions (W x D x H)</b>	198 x 258 x 169.5 mm		198 x 258 x 173 mm		184 x 226 x 166 mm		184 x 226 x 199 mm		220 x 279 x 182 mm	
<b>Weight</b>	2.3 kg		2.4 kg		1.8 kg				2.4 kg	
<b>LCD Display</b>	1 x LED (green, yellow, red)				2 x LEDs (green, yellow, red)					
<b>Control panel</b>	1 Key: Feed									
<b>Temperature</b>	-40° to 60° C				5° to 40° C				-20° to 60° C	
<b>Humidity</b>	25 to 85% relative humidity without condensation									
<b>Power supply</b>	240V, 50/60 Hz external power supply				240V, 50/60 Hz external power supply		240V, 50/60 Hz internal power supply		240V, 50/60 Hz external power supply	
<b>Memory</b>	32 MB				32 MB		16 MB		16 MB	
	128 MB				128 MB		128 MB		128 MB	
<b>Sensor</b>	v				v		v		v	
	v				v		v		v	
	v				v		v		v	
<b>Resolution</b>	203 dpi	300 dpi	203 dpi	300 dpi	203 dpi	300 dpi	203 dpi	203 dpi	300 dpi	
<b>Print speed (max.)</b>	127 mm/sec	101.6 mm/sec	127 mm/sec	101.6 mm/sec	152.4 mm/sec	101.6 mm/sec	152.4 mm/sec	152.4 mm/sec	101.6 mm/sec	
<b>Print width (max.)</b>	108 mm	106 mm	108 mm	106 mm	108 mm	106 mm	108 mm	108 mm	106 mm	
<b>Print length (max.)</b>	995 mm	453 mm	995 mm	453 mm	997 mm		997 mm		997 mm	
<b>Barcodes</b>	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Interleaved 2 of 5, Postnet, RM4SCC, KIX-Code, GS1 Databar, Plessey									
<b>2D Codes</b>	Data Matrix, PDF 417, Maxicode, QR Code, Micro PDF 417, Micro QR, GS1 Databar Matrix									
<b>Fonts</b>	Bitmap font, Outline font, TrueType font									
<b>Alignment</b>	Centred									
<b>Media width</b>	25.4 to 112 mm				25.4 to 118 mm		118 mm fixed		25.4 to 118 mm	
	10 to 999 mm	10 to 457 mm	10 to 999 mm	10 to 457 mm	10 to 997 mm					
	25 to 152 mm				25 to 997 mm		-		25 to 997 mm	
<b>Media thickness</b>	0.06 bis 0.19 mm									
<b>Roll diameter (max.)</b>	Core: 25.5, 38.1, 42 or 76.2 mm; max. outside diameter 127 mm or 214 mm with external roll holder									
<b>Ribbon length (max.)</b>	-				110 m		-		110 or 300 m	
<b>Ribbon core diameter</b>	-				12.7 mm		-		110 m on 12.7 mm core, 300 m on 25.4 mm core	
<b>Serial / RS232C</b>	v									
<b>Parallel / Centronics</b>	v									
<b>USB</b>	v									
<b>Start / Stop interface (I/O)</b>	-									
<b>LAN</b>	v									
<b>SD-Card interface</b>	v									
<b>USB-Host interface</b>	-									
<b>Infrared interface</b>	-									
<b>Bluetooth</b>	-				optional: V2.1 + EDR		-		optional: V2.1 + EDR	
<b>WLAN</b>	-				optional: IEEE 802.11 b/g/n		-		optional: IEEE 802.11 b/g/n	
<b>Printer driver</b>	Windows 10/8/7/Vista (32/64 bit), Windows Server 2012 / 2016 (32/64 bit)									
<b>SDK</b>	SAP				Linux / CUPS, SAP					
<b>Label-Software</b>	BarTender UltraLite									
<b>Printer language</b>	TPCL				TPCL, BCI (function)		TPCL, BCI (function)			
<b>Emulation</b>	ZPL, EPL, DPL, IPL				ZPL, EPL, DPL, IPL		ZPL, EPL, DPL, IPL			
<b>Ribbon Save Module</b>	-									
<b>Peel-off Module</b>	optional				optional		v		optional	
<b>Cutter</b>	optional: Full-cutter, Partial-cutter				optional: Full-cutter, Partial-cutter		-		Standard Full-cutter	
<b>Linerless kit</b>	-				-		v		-	
<b>RFID Module (UHF)</b>	-									
<b>Real time clock</b>	-									
<b>Standard included</b>	-									
<b>Other Options</b>	External 214 mm OD media stand, AC Adaptor cover				External 203 mm OD media stand					

**MID-RANGE PRINTERS**



	DB-EA4D	BA410T		BA420T		B-852
	GS12	GS12	TS12	GS12	TS12	TS22
<b>Print Method</b>	Direct Thermal	Direct Thermal & Thermal Transfer				
<b>Printhead</b>	2 x Flat head	Flat head				
<b>Dimensions (W x D x H)</b>	240 x 226 x 237 mm	245 x 414 x 333 mm		245 x 350 x 332 mm		385 x 181 x 243 mm
<b>Weight</b>	7.5 kg	15 kg		12 kg		25 kg
<b>LCD Display</b>	LCD-Display, 16 Characters x 2 Lines, 2 x LEDs (green, orange, red)	LCD-Display, 128 x 64 Pixel - 2 x LEDs (blue, red)			LCD-Display, 16 characters x 1 Line, 3 x LEDs (2x green, red)	
<b>Control panel</b>	3 keys					
<b>Temperature</b>	<b>Operating-temperature</b>	Direct Thermal: 0° to 40° C / Thermal Transfer: 5° to 40° C				
	<b>Storage-temperature</b>	-5° to 40° C				5° to 40° C
<b>Humidity</b>	25 to 85% relative humidity without condensation					
<b>Power supply</b>	AC 220V	AC 100-240V				AC 220V
<b>Memory</b>	<b>S-RAM</b>	128 MB RAM				128 MB RAM
	<b>Flash ROM</b>	128 MB ROM				128 MB ROM
<b>Sensor</b>	<b>Reflective / Black Mark</b>	v				v
	<b>Transmissive / label gap</b>	v				v
	<b>Batch</b>	v				v
		v				v
<b>Resolution</b>	203 dpi	203 dpi	300 dpi	203 dpi	300 dpi	300 dpi
<b>Print speed (max.)</b>	152.4 mm/sec	203.2 mm/sec				101.6 mm/sec
<b>Print width (max.)</b>	104 mm	104 mm	105.7 mm	104 mm	105.7 mm	216.8 mm
<b>Print length(max.)</b>	554 mm	1,498 mm			640 mm	
<b>Barcodes</b>	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Interleaved 2 of 5, GS1 Databar, Plessey					Postnet, RM4SCC, KIX-Code,
<b>2D Codes</b>	GDI - Graphics device interface support					
<b>Fonts</b>	Data Matrix, PDF 417, Maxicode, QR Code, Micro PDF 417, Micro QR, GS1 Databar Matrix					Bitmap font, Outline font, Price font, TrueType font
<b>Alignment</b>	Centred					
<b>Media width</b>	58 to 130 mm	Direct thermal: 22 to 118 mm / Thermal transfer: 22 to 114 mm				100 to 242 mm
<b>Label length with gap</b>	<b>Batch mode</b>	40 to 554 mm				15 to 999 mm
	<b>Peel-off mode</b>	-				15 to 999 mm
	<b>Cutter mode</b>	40 to 554 mm				38 to 999 mm
<b>Media thickness</b>	0.06 to 0.22 mm	0.08 to 0.17 mm				0.08 to 0.18 mm
<b>Roll diameter (max.)</b>	Core: 38, 42, 76.2 mm External: 203.2 mm	Core: 38, 40, 42, 76.2 mm External: 200 mm		Core: 38, 40, 42, 76.2 mm External: 152.4 mm		Core: 38, 42, 76.2 mm External: 230 mm
<b>Ribbon length (max.)</b>	-	450 m				300 m
<b>Ribbon core diameter</b>	-	25.4 mm				25.4 mm
<b>Serial / RS232C</b>	-	optional				optional
<b>Parallel / Centronics</b>	v	optional				v
<b>USB</b>	v	v				v
<b>Start/Stop interface (I/O)</b>	-	optional				optional
<b>LAN</b>	v	v				v
<b>USB-Host interface</b>	-	v				-
<b>Bluetooth</b>	-	V2.1 + EDR				-
<b>WLAN</b>	-	optional: Dual type, IEEE 802.11 a/b/g/n				-
<b>Printer driver</b>	Windows 10/8/7/Vista (32/64 bit), Windows Server 2012 / 2016 (32/64 bit)					
<b>Label-Software</b>	BarTender UltraLite					
<b>Printer language</b>	GDI - Graphics device interface support	TPCL, BCI				
<b>Emulation</b>	-	ZPL, SATO				-
<b>Ribbon Save Module</b>	-	-				-
<b>Peel-off Module</b>	-	optional				-
<b>Cutter</b>	-	optional: Full-cutter				optional: Swing-cutter
<b>RFID Module (UHF)</b>	-	optional				-
<b>Real time clock</b>	-	optional				optional
<b>Other options</b>	External media stand	Rewinder / Unwinder				-

**INDUSTRIAL PRINTERS**



	B-EX4						B-EX4	B-EX6				B-SX8	
	T1-G512	T1-TS12	T2-G512	T2-TS12	T2-HS12	D2-G512	T3-HS12	T1-G512	T1-TS12	T3-G512	T3-TS12	TS12	
<b>Print Method</b>	Direct Thermal & Thermal Transfer						Direct Thermal	Direct Thermal & Thermal Transfer				Direct Thermal & Thermal Transfer	
<b>Printhead</b>	Near edge		Flat head						Near edge		Flat head		Near edge
<b>Dimensions (W x D x H)</b>	278 x 460 x 310 mm						331 x 460 x 310 mm						416 x 289 x 395 mm
<b>Weight</b>	17 kg						20 kg						25 kg
<b>LCD Display</b>	LCD-Display, 128 x 64 Pixel - 2 x LEDs (green, red)						LCD-Display, 128 x 64 Pixel - 2 x LEDs (green, red)				LCD-Display, 16 Characters x 2 Lines 3 x LEDs (2 x green, red)		
<b>Control panel</b>	10 keys : Feed, Restart, Pause, Navigation menu						10 keys : Feed, Restart, Pause, Navigation menu						3 keys
<b>Temperature</b>	5° to 40° C						5° to 40° C						
	-						-						
<b>Humidity</b>	25 to 85% relative humidity without condensation						25 to 85% relative humidity without condensation						
<b>Power supply</b>	AC 220V						AC 220V						
<b>Memory</b>	32 MB RAM						64 MB RAM				16 MB RAM		
	16 MB ROM						-				16 MB ROM		
<b>Sensor</b>	v						v				v		
	v						v				v		
	v						v				v		
	v						v				v		
<b>Resolution</b>	203 dpi	305 dpi	203 dpi	305 dpi	600 dpi	203 dpi	600 dpi	203 dpi	305 dpi	203 dpi	305 dpi	305 dpi	
<b>Print speed (max.)</b>	355 mm/sec		305 mm/sec		152 mm/sec	305 mm/sec		152 mm/sec		305 mm/sec		203 mm/sec	
<b>Print width (max.)</b>	104 mm						160 mm						213.3 mm
<b>Print length(max.)</b>	1,498 mm						498 mm		1,498 mm		498 mm		1,368 mm
<b>Barcodes</b>	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Interleaved 2 of 5, Postnet, RM4SCC, KIX-Code, GS1 Databar, Plessey						Data Matrix, PDF 417, Maxicode, QR Code, Micro PDF 417, Micro QR, GS1 Databar Matrix						
<b>2D Codes</b>	Data Matrix, PDF 417, Maxicode, QR Code, Micro PDF 417, Micro QR, GS1 Databar Matrix						Data Matrix, PDF 417, Maxicode, QR Code, Micro PDF 417, Micro QR, GS1 Databar Matrix						
<b>Fonts</b>	Bitmap font, Outline font, Price font, TrueType font						Bitmap font, Outline font, Price font, TrueType font				Bitmap, Outline, Price font, TrueType font		
<b>Alignment</b>	Centred		Left				Centred	Centred				Centred	
<b>Media width</b>	25 to 120 mm		25 to 114 mm		15 to 114 mm	25 to 114 mm		25 to 110 mm		50 to 165 mm		101.6 to 225 mm	
<b>Label length with gap</b>	10 to 1,498 mm		10 to 1,498 mm		7 to 498 mm	10 to 1,498 mm		5 to 498 mm		10 to 1,498 mm		10 to 1,368 mm	
	25.4 to 256 mm		15 to 1,498 mm		12 to 498 mm	15 to 1,498 mm		5 to 256 mm		25 to 256 mm		25.4 to 1,368 mm	
	38 to 1,498 mm		25 to 1,494 mm		25 to 494 mm	25 to 1,494 mm		25 to 498 mm		26.4 to 1,498 mm		25.4 to 1,368 mm	
<b>Media thickness</b>	0.13 to 0.263 mm		0.08 bis 0.17 mm				0.13 to 0.17 mm		0.13 to 0.25 mm		0.1 to 0.17 mm		
<b>Roll diameter (max.)</b>	Core: 38, 40, 42, 76.2 mm External: 200 mm		Core: 38, 40, 42, 76.2 mm External: 200 mm with 76 mm core; 170 mm with 38/40 mm core		Peel-off mode: 180 mm		200mm (76mm core), 170mm (50.8 mm core), Peel-off: 180 mm		Core: 76.2 mm External: 200 mm		Core: 76.2 mm External: 200 mm		
<b>Ribbon length (max.)</b>	800 m		600 m		-		300 m		600 m		300 m		
<b>Ribbon core diameter</b>	25.4 mm		25.4 mm		-		25.4 mm		25.4 mm		25.4 mm		
<b>Serial / RS232C</b>	optional						v	optional				optional	
<b>Parallel / Centronics</b>	optional						optional	optional				v	
<b>USB</b>	v						v	v				v	
<b>Start/Stop interface (I/O)</b>	optional						optional	optional				optional	
<b>LAN</b>	v						v	v				v	
<b>USB-Host interface</b>	optional						optional	v				-	
<b>Bluetooth</b>	-						-	external				-	
<b>WLAN</b>	optional: B-EXT00-WLAN3-QM-S, Dual Band, IEEE 802.11 a/b/g/n/ac						-	optional: B-EXT00-WLAN2-QM-R, IEEE 802.11 b/g/n				-	
<b>Printer driver</b>	Windows 10/8/7/Vista (32/64 bit), Windows Server 2012 / 2016 (32/64 bit)						Linux / CUPS, SAP						Linux / CUPS, SAP
<b>Label-Software</b>	BarTender UltraLite						BarTender UltraLite						
<b>Printer language</b>	TPCL, BCI						TPCL, BCI						
<b>Emulation</b>	ZPL, DPL						-				ZPL, DPL	ZPL	
<b>Ribbon Save Module</b>	optional						-				v		
<b>Peel-off Module</b>	optional						optional				optional		
<b>Cutter</b>	optional: Disk-cutter, Rotary-cutter						optional: Disk-cutter				optional: Disk-cutter	optional: Swing-cutter	
<b>RFID Module (UHF)</b>	optional						-				optional		
<b>Real time clock</b>	optional						optional				v		
<b>Other options</b>	Rewinder / Unwinder, Print & Apply Module						-				Rewinder / Unwinder	Rewinder / Unwinder	