



TOSHIBA TEC CORPORATION

Oval Court Ohsaki Mark East
2-17-2, Higashi Gotanda, Shinagawa-ku, Tokyo, 141-8664 Japan

<http://www.toshibatec.com>

P O S
T E R M I N A L S &
B A R C O D E
P R I N T E R S

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For more information.

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WILLPOS

TOSHIBA TEC's new POS system is called WILLPOS (Worthy, Innovative, Leading, Low-cost Operation) and represents the future of our POS business. "WILL" also signifies our strong will, or commitment, to achieve monozukuri. We will strive to make TOSHIBA TEC WILLPOS synonymous with general POS systems.

WILLPOS B10

● Small Cabinet

The B10 unit is far more compact than many of its competitors and even 46% smaller than its hugely successful big brother, the WILLPOS B20.



White Model

Black Model

● Simple to Maintain

The hard disk can be quickly and simply removed from the front of the POS unit.

● Long-Term Supply

Toshiba is one of the only companies that continues to manufacture all of the components in its products and, as a result, is able to provide the assurance of longevity in its build quality and product support.

General Specifications	
Model	ST-B10
CPU	VIA C7 1.5 GHz
Memory	2 slots DDR2 DIMM (Max.2 GB)
HDD	2.5" SATA × 1 (80 GB or over)
CD/DVD Drive	External drive USB I/F (Option)
FDD	External drive USB I/F (Option)
Serial Ports	4 ports
USB	2 ports (Rear × 2)
Powered USB	24V × 1 (Rear), 12V × 1 (Rear)
PS/2	2 ports (Mouse and Keyboard)
Drawer	1 port
Display I/F	VGA (Analog) × 1, LVDS (Digital) × 1 (Factory option)
LAN	10Base-T/ 100Base-TX
Audio	Line-out × 1 (Factory option)

WILLPOS B20

● Green Machine

- Recyclable chromium-free metal
- Recyclable halogen-free plastic
- Packaged in recyclable paper products
- Built and supported for a long life cycle



Black Model



● Effortless Maintenance

With front and back tool-less 'slide-out' components and fewer internal cables, servicing the WILLPOS B20 is quick and effortless.

● Enhanced Functionality

A unique 7-segment fully lit front panel display provides a quick reference system status.



General Specifications

Model	ST-B20
CPU	Intel Celeron M440 (1.86 GHz)
Memory	2 slots DDR2 SODIMM (Max.4 GB)
HDD	(Single Disk) 2.5" SATA × 1 (120 GB or over) (Dual Disk) 2.5" SATA × 2 (120 GB or over)
CD/DVD Drive	Integrated (option)
FDD	External drive USB I/F (Option)
Serial Ports	4 ports (Standard) Expansion × 2 (Option)
USB	3 ports (Front × 1, Rear × 2)
Powered USB	24V × 1 (Rear), 12V × 5 (Rear)
PS/2	2 ports (Mouse and Keyboard)
Drawer	2 ports
Display I/F	VGA (Analog) × 1, LVDS (Digital) × 1 (option)
LAN	10Base-T/ 100Base-TX/ 1000Base-T
Audio	Line-out × 2 (Front & Rear)/ Mic-in (Rear)

WILLPOS A10

● Design to Perfection

- "Good Design Award" winning
- Small footprint creating additional space
- Internal cable management



Black Model



White Model

● Easy Maintenance

- A "CLICK RELEASE" system facilitating minimal downtime and reduced service visit
- Improved connectivity
- Reduces cables/neater cable management



General Specifications

Model	ST-A10-15"	ST-A10-12"
CPU	VIA C7 1.5 GHz	
Memory	2 slots DDR2 DIMM (Max.2 GB)	
Display	15" TFT	12.1" TFT
Resolution	1024 × 768 (XGA)	800 × 600 (SVGA)
Touch Type	Resistive	
HDD	3.5" SATA × 1 (160 GB or over)	
Serial Ports	6 ports (External × 4, Card Reader × 1, Internal × 1 for Touch)	
USB	6 ports (TFT × 3, Main Body × 3)	
Powered USB	24 V × 1	
PS/2	2 ports (Mouse and Keyboard)	
Drawer	2 ports	
Display I/F	LVDS (Digital: Internal use) × 1, VGA (Analog) × 1	
LAN	10Base-T/ 100Base-TX	
Audio	Line-out × 1/ Mic-in × 1	

WILLPOS A20

● Upgrade Your POS

- Capability to mount dual displays
- Reliability-RAID 1* twin hard drives

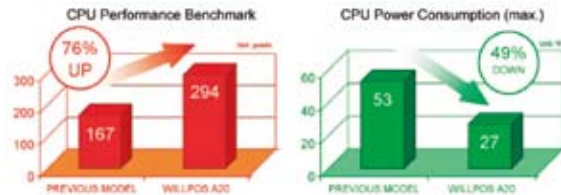


Black Model

White Model with Dual Display Configuration

● Good for You, Good for the Earth

- 49% less energy with 76% more power
- Reduced carbon footprint
- Essentially lowering cost of ownership



● Sleek Design

- Small footprint occupies minimal counter space

General Specifications		
Model	ST-A20-15"	ST-A20-12"
CPU	Intel Celeron M440 (1.86 GHz)	
Memory	2 slots DDR2 SODIMM (Max.2 GB)	
Display	15" TFT	12.1" TFT
Resolution	1024 × 768 (XGA)	800 × 600 (SVGA)
Touch Type	Resistive	
HDD	(Single Disk)	3.5" SATA × 1 (160 GB or over)
	(Dual Disk)	2.5" SATA × 2 (120 GB or over)
FDD	External drive USB I/F (Option)	
Serial Ports	6 ports (External × 4, Card Reader × 1, Internal × 1 for Touch)	
USB	6 ports (TFT × 3, Main Body × 3)	
Powered USB	24V × 1, 12V × 2	
PS/2	2 ports (Mouse and Keyboard)	
Drawer	2 ports	
Display I/F	LVDS (Digital: Internal use) × 1, VGA (Analog) × 1	
LAN	10Base-T/100Base-TX	
Audio	Line-out × 1/ Mic-in × 1 (Internal Stereo Speaker)	

*RAID 1 : Mirroring

TFTST-A20 TFTST-A20-LVDS



Black Model

White Model

General Specifications		
Model	TFTST-A20 / TFTST-A20-LVDS	
Display	Size	15"
	View Area	308.3 (W) × 232.2 (H) mm 12.13" (W) × 9.14" (H)
	Active Area	304.1 (W) × 228.1 (H) mm 11.97" (W) × 8.98" (H)
	Resolution	1024 × 768 (XGA)
	Color	256 K Colors (262,144 Colors)
Touch (Touch Model Only)	View Area	308.3 (W) × 232.2 (H) mm 12.13" (W) × 9.14" (H)
	Active Area	304.1 (W) × 228.1 (H) mm 11.97" (W) × 8.98" (H)
	Type	Resistive
	Resolution	1024 (W) × 1024 (H) dots
Interface	Analog (TFTST-A20), LVDS (TFTST-A20-LVDS)	
Power	DC12V	
Cabinet Color	CB (Black), FW2 (White)	
Dimensions	366.0 (W) × 191 (D) × 296.0 (H) mm	306.0 (W) × 191 (D) × 248.0 (H) mm
	14.4" (W) × 7.51" (D) × 11.65" (H)	12.04" (W) × 7.51" (D) × 9.76" (H)
Weight	3.6 kg / 7.93 lbs	2.55 kg / 5.62 lbs

TFTST-B20



Black Model

White Model

General Specifications		
Model	TFTST-B20	
Display	Size	15"
	View Area	308.3 (W) × 232.2 (H) mm 12.13" (W) × 9.14" (H)
	Active Area	304.1 (W) × 228.1 (H) mm 11.97" (W) × 8.98" (H)
	Resolution	1024 × 768 (XGA)
	Color	256 K Colors (262,144 Colors)
Touch (Touch Model Only)	View Area	308.3 (W) × 232.2 (H) mm 12.13" (W) × 9.14" (H)
	Active Area	304.1 (W) × 228.1 (H) mm 11.97" (W) × 8.98" (H)
	Type	Resistive
	Resolution	1024 (W) × 1024 (H) dots
Interface	Analog	
Power	DC12V	
Cabinet Color	CB (Black), FW2 (White)	
Dimensions	366.0 (W) × 191 (D) × 296.0 (H) mm	306.0 (W) × 191 (D) × 248.0 (H) mm
	14.4" (W) × 7.51" (D) × 11.65" (H)	12.04" (W) × 7.51" (D) × 9.76" (H)
Weight	3.8 kg / 8.37 lbs	2.75 kg / 6.06 lbs

LKBST-65



Black Model



White Model

General Specifications	
Model	LKBST-65-TF12
Display Type	Color TFT
Display Size	12.1"
Resolution	800 × 600 (SVGA)
Touch Type	Resistive
Color	64 K colors
Cable Length	2.8 m / 110.23"
VGA Card	None
Number of Keys	Max. 40 keys
Control Key	8 positions
Pole	360 mm / 14.17"
Option	Card Reader (MCRST-50) Stand (KITLKBST-56)
Cabinet Color	CB (Black), FW2 (White)
Dimensions	433 (W) × 166 (D) × 239 (H) mm 17.04" (W) × 6.53" (D) × 9.4" (H)
Weight	4.6 kg / 10.14 lbs

PKBST-50



Black Model



White Model

General Specifications	
Model	PKBST-50
Number of Keys	Max. 81 keys
Interface	PS/2, 6 pin Mini Male
Power	DC 5 V
Option	Card Reader
Cabinet Color	CB (Black), FW2 (White)
Cable Length	2m / 78.74"
Dimensions	280 (W) × 170 (D) × 52* (H) mm 11.02" (W) × 6.69" (D) × 2.04" (H)
Weight	1.0 kg / 2.2 lbs

*65(H) with the Height-adjust legs

PKBST-52



Black Model



White Model

General Specifications	
Model	PKBST-52
Number of Keys	Max. 66 keys
Interface	USB
Power	DC 5 V
Option	Card Reader (Factory option)
Cabinet Color	CB (Black), FW2 (White)
Cable Length	2m / 78.74"
Dimensions	279 (W) × 189 (D) × 55.6 (H) mm 10.98" (W) × 7.44" (D) × 2.18" (H)
Weight	1.1 kg / 2.4 lbs

65(H) with the Height-adjust legs

Customer Display

LIUST-A10



Fixed type

Tilt type

Remote type

General Specifications

Model	Fixed	Tilt	Remote
Display	20 characters × 2 lines		
Character size	5.5 (W) × 10.5 (H) mm 0.21" (W) × 0.41" (H)		
Interface	Serial port (D-SUB 9 pin Male)		
Kind of Character	ANK, 182 characters		
Power	DC 12 V		
Cabinet Color	CB (Black), FW2 (White)		
Dimensions	248.3 (W) × 72.2 (D) × 114.5 (H) mm 9.77" (W) × 2.84" (D) × 4.5" (H)	248.3 (W) × 86 (D) × 114 (H) mm 9.77" (W) × 3.38" (D) × 4.48" (H)	200 (W) × 98 (D) × 110.8 (H) mm 7.87" (W) × 3.86" (D) × 4.26" (H)
Weight	0.5 kg / 1.1 lbs	0.5 kg / 1.1 lbs	0.75 kg / 1.65 lbs

LIUST-51



Black Model

White Model

General Specifications

Model	LIUST-51
Display	20 characters × 2 lines
Character Size	5.5 (W) × 10.5 (H) mm 0.21" (W) × 0.41" (H)
Interface	Serial port (D-SUB 9 pin Male)
Kind of Character	ANK, 182 characters
Power	DC 12 V
Cabinet Color	CB (Black), FW2 (White)
Dimensions	230.5 (W) × 90 (D) × 121 (H) mm 9.07" (W) × 3.54" (D) × 4.76" (H)
Weight	1 kg / 2.20 lbs

Drawer

DRWST-51A



White Model

Black Model

General Specifications

Model	DRWST-51A
Media Slot	Standard
Power	DC 24 V, 0.2 A Max.
Cabinet Color	CB (Black), FW2 (White)
Dimensions	460 (W) × 400 (D) × 115 (H) * mm 18.11" (W) × 15.75" (D) × 4.53" (H) * mm
Weight	10 kg / 22.05 lbs

*Including the height of the rubber feet

DRWST-56



White Model

General Specifications

Model	DRWST-56
Media Slot	Standard
Power	DC 24 V, 0.2 A Max.
Dimensions	460 (W) × 170 (D) × 100 (H) mm 18.11" (W) × 6.69" (D) × 3.93" (H)
Weight	6 kg / 13.23 lbs

TRST-A00

- Cost Efficient
- Environmental Friendly - Energy Saving Mode
- Easy to Maintain - PC-less Setting



Black Model



White Model

General Specifications	
Model	TRST-A00 Single-sided
Print Method	Direct thermal Two color printing
Print Speed	Max. 170 mm/s
Paper Width	80 mm (72 mm printable) 58 mm (54 mm printable)
Roll Diameter	Max. 80 mm
Resolution	203.2 × 203.2 dpi (8 dots/mm)
Font Type 2	13 × 28 dots (Standard) 10 × 28 dots (Compressed)
Printable Area	80 mm: 42 char (Standard), 56 char (Compressed) graphics max. 560 dots wide 58 mm: 32 char (Standard), 42 char (Compressed) graphics max. 424 dots wide
Character Sets	PC437, PC850, PC852, PC857, PC858, PC860, PC863, PC865, PC866, PC949, PC1252, PC1253, PC1254
Barcodes	UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), Code 39, Code 128, Interleaved 2 of 5, PDF417, Code93, CODABAR (NW-7)
Interfaces	USB 2.0 or RS-232C POS drawer and power supply I/F
Power Consumption	Fast mode: 75 W max. Energy saving mode: 55 W max.
Reliability	MCBF: 52 million lines per thermal head Auto Cutter: 1 million cuts
Other Features	Drop-in paper loading; Paper exhaust/near end sensor and indicator (Limit is adjustable by user); Partial cut autocutter; 58 mm paper guide; Cover release system
Cabinet Color	CB (Black), FW2 (White)
Operating Temperature	5 to 50°C
Dimensions	145.5 (W) × 185.5 (D) × 141 (H) mm 5.72"(W) × 7.3"(D) × 5.55"(H)
Weight	1.4 kg/ 3.09 lbs
Options	58mm paper partition, Water-proof cover, AC Adapter, Y/I cable for power supply

TRST-A10

- High Performance Single Sided Printer
- Environmental Friendly - Energy Saving Mode
- Easy to Maintain - PC-less Setting



Black Model



White Model

General Specifications	
Model	TRST-A10 Single-sided
Print Method	Direct thermal Two color printing
Print Speed	Max. 225 mm/s
Paper Width	80 mm (72 mm printable) 58 mm (54 mm printable)
Roll Diameter	Max. 80 mm
Resolution	203.2 × 203.2 dpi (8 dots/mm)
Font Type 1	12 × 24 dots (Standard) 9 × 24 dots (Compressed)
Printable Area	80 mm: 48 char (Standard), 64 char (Compressed) graphics max. 576 dots wide 58 mm: 36 char (Standard), 48 char (Compressed) graphics max. 432 dots wide
Font Type 2	13 × 28 dots (Standard) 10 × 28 dots (Compressed)
Printable Area	80 mm: 42 char (Standard), 56 char (Compressed) graphics max. 560 dots wide 58 mm: 32 char (Standard), 42 char (Compressed) graphics max. 424 dots wide
Character Sets	PC437, PC850, PC852, PC857, PC858, PC860, PC863, PC865, PC866, PC949, PC1252, PC1253, PC1254
Barcodes	UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), Code 39, Code 128, Interleaved 2 of 5, PDF417, Code 93, CODABAR (NW-7)
Interfaces	USB 2.0 and RS-232C or parallel or LAN (fully integrated) POS drawer and power supply I/F
Power Consumption	Fast mode: 75 W max. Energy saving mode: 55 W max.
Reliability	MCBF: 52 million lines per thermal head Auto Cutter: 1 million cuts
Other Features	Drop-in paper loading; Paper exhaust/near end sensor and indicator (Limit is adjustable by user); Partial cut autocutter; 58 mm paper guide; Cover release system
Cabinet Color	CB (Black), FW2 (White)
Operating Temperature	5 to 50 °C
Dimensions	145.5 (W) × 185.5 (D) × 141 (H) mm 5.72"(W) × 7.3"(D) × 5.55"(H)
Weight	1.7 kg/ 3.74 lbs
Options	58mm paper partition, Water-proof cover, AC Adapter, Y/I cable for power supply

TRST-A12

- High performance and Robust Body
- Environmental Friendly - Energy Saving Mode
- Easy to Maintain - PC-less Setting



Black Model

White Model

General Specifications	
Model	TRST-A12 Single-sided
Print Method	Direct thermal Two color printing
Print Speed	Max. 225 mm/s
Paper Width	80 mm (72 mm printable) 58 mm (54 mm printable)
Roll Diameter	Max. 80 mm
Resolution	203.2 × 203.2 dpi (8 dots/mm)
Font Type 1	12 × 24 dots (Standard) 9 × 24 dots (Compressed)
Printable Area	80 mm:48 char (Standard), 64 char (Compressed) graphics max. 576 dots wide 58 mm:36 char (Standard), 48 char (Compressed) graphics max. 432 dots wide
Font Type 2	13 × 28 dots (Standard) 10 × 28 dots (Compressed)
Printable Area	80 mm:42 char (Standard), 56 char (Compressed) graphics max. 560 dots wide 58 mm:32 char (Standard), 42 char (Compressed) graphics max. 424 dots wide
Character Sets	PC437, PC850, PC852, PC857, PC858, PC860, PC863, PC865, PC866, PC949, PC1252, PC1253, PC1254
Barcodes	UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), Code 39, Code 128, Interleaved 2 of 5, PDF417, Code93, CODABAR (NW-7)
Interfaces	USB 2.0 and RS-232C or parallel POS drawer and power supply I/F
Power Consumption	Fast mode:75 W max. Energy saving mode:55 W max.
Reliability	MCBF:52 million lines per thermal head Auto Cutter : 1 million cuts
Other Features	Drop-in paper loading; Paper exhaust/near end sensor and indicator(Limit is adjustable by user) ;Partial cut autocutter; 58 mm paper guide;
Cabinet Color	CB (Black), FW2 (White)
Operating Temperature	5 to 50 °C
Dimensions	145.5 (W) × 221 (D) × 141 (H) mm 5.72"(W) × 8.7"(D) × 5.55"(H)
Weight	2.2 kg / 4.85 lbs
Options	58mm paper partition, Water-proof cover, AC Adapter, Y/I cable for power supply

TRST-A15

- High Performance and Double-sided Printing
- Environmental Friendly - Reduce Paper Cost by Dual sided Printing
- Energy Saving Mode
- Easy to Maintain - PC-less Setting



Black Model

White Model

General Specifications	
Model	TRST-A15 Double-sided
Print Method	Direct thermal Two color printing
Print Speed	Max. 170 mm/s
Paper Width	80 mm (72 mm printable) 58 mm (54 mm printable)
Roll Diameter	Max. 80 mm
Resolution	203.2 × 203.2 dpi (8 dots/mm)
Font Type 1	12 × 24 dots (Standard) 9 × 24 dots (Compressed)
Printable Area	80 mm:48 char (Standard), 64 char (Compressed) graphics max. 576 dots wide 58 mm:36 char (Standard), 48 char (Compressed) graphics max. 432 dots wide
Font Type 2	13 × 28 dots (Standard) 10 × 28 dots (Compressed)
Printable Area	80 mm:42 char (Standard), 56 char (Compressed) graphics max. 560 dots wide 58 mm:32 char (Standard), 42 char (Compressed) graphics max. 424 dots wide
Character Sets	PC437, PC850, PC852, PC857, PC858, PC860, PC863, PC865, PC866, PC949, PC1252, PC1253, PC1254
Barcodes	UPC-A, UPC-E, JAN13 (EAN), JAN8 (EAN), Code 39, Code 128, Interleaved 2 of 5, PDF417, Code 93, CODABAR (NW-7)
Interfaces	USB 2.0 and RS-232C or parallel POS drawer and power supply I/F
Power Consumption	Fast mode:75 W max. Energy saving mode:55 W max.
Reliability	MCBF:52 million lines per thermal head Auto Cutter : 1 million cuts
Other Features	Drop-in paper loading; Paper exhaust/near end sensor and indicator(Limit is adjustable by user) ;Partial cut autocutter; 58 mm paper guide;
Cabinet Color	CB (Black), FW2 (White)
Operating Temperature	5 to 50 °C
Dimensions	145.5 (W) × 221 (D) × 141 (H) mm 5.72"(W) × 8.7"(D) × 5.55"(H)
Weight	2.2 kg / 4.85 lbs
Options	58mm paper partition, Water-proof cover, AC Adapter, Y/I cable for power supply



Color Touch Display

●TFTST-B20 / A20 LVDS



●TFTST-A20



Customer Display

●LIUST-51



●LIUST-A10



Operation Unit

●LKBST-65



Keyboard

●PKBST-50



●PKBST-52



Printer

●TRST-A00



●TRST-A10



●TRST-A12



●TRST-A15



Drawer


●DRWST-51A





●DRWST-56



POS Terminals Specifications

Model	ST-B10	ST-B20
	 White Model	 Black Model
CPU	VIA C7 1.5 GHz	Intel Celeron M440 (1.86 GHz)
Memory	2 slots DDR2 DIMM (Max.2 GB)	2 slots DDR2 SODIMM (Max.4 GB)
Display	-	-
Resolution	-	-
Touch Type	-	-
HDD (Single Disk)	2.5" SATA (80 GB or over) × 1	2.5" SATA × 1 (120 GB or over)
(Dual Disk)	-	2.5" SATA × 2 (120 GB or over)
RAID 1	-	Yes
U-SSD I/F	Yes	Yes
CD/DVD Drive	External (Option)	Integrated (Option)
FDD	External drive USB I/F (Option)	External drive USB I/F (Option)
Serial Ports	4 ports (Standard)	4 ports (Standard) Expansion × 2 (Option)
USB	2 ports (Rear × 2)	3 ports (Front × 1, Rear × 2)
Powered USB	24V × 1 (Rear), 12V × 1 (Rear)	24V × 1 (Rear), 12V × 5 (Rear)
PS/2	2 ports (Mouse and Keyboard)	2 ports (Mouse and Keyboard)
Drawer	1 port	2 ports
Display I/F	VGA (Analog) × 1, LVDS (Digital) × 1 (Factory option)	VGA (Analog) × 1, LVDS (Digital) × 1 (Option)
LAN	10Base-T/ 100Base-TX	10Base-T/100Base-TX/1000Base-T
Audio	Line-out × 1 (Factory option)	Line-out × 2 (Front & Rear) / Mic-in (Rear)
Cabinet Color	CB (Black), FW2 (White)	CB (Black), FW2 (White)
Dimensions	280 (W) × 285 (D) × 95 (H) mm 11.02" (W) × 11.22" (D) × 3.74" (H)	315 (W) × 466 (D) × 112.5 (H) mm (with cable cover) 12.4" (W) × 18.34" (D) × 4.42" (H) (with cable cover) 315 (W) × 396 (D) × 112.5 (H) mm (without cable cover) 12.4" (W) × 15.59" (D) × 4.42" (H) (without cable cover)
Weight	4.45 kg/ 9.81 lbs 4.50kg/ 9.92 lbs (LVDS model)	8.8kg/19.4lbs (HDD × 1, without CD/DVD drive) 8.9 kg/19.62lbs (HDD × 2, without CD/DVD drive)
Support OS	<ul style="list-style-type: none"> •Windows XP ● •Windows VISTA Not supported ● •WEPOS Not supported ● •POSReady 2009 ● •MS-DOS 6.22 ● •Certified Linux Suse Linux Enterprise Desktop 11.0 ● 	<ul style="list-style-type: none"> •Windows XP ● •Windows VISTA ● •WEPOS ● •POSReady 2009 ● •MS-DOS 6.22 Not supported ● •Certified Linux Suse Linux Enterprise Desktop 10.0 ●
Option	<ul style="list-style-type: none"> •Operator Display TFTST-A20/ TFTST-A20 LVDS/ TFTST-B20 •Customer Display LIUST-A10 (VFD) / TFTST-A20 (Dual TFT display) •Keyboard PKBST-50/ PKBST-52 •Card Reader ● •I-Button ● TFTST-A20 LVDS/ TFTST-B20 •Drawer DRWST-51A/ DRWST-56 •Printer TRST-A00/ TRST-A10/ TRST-A12/ TRST-A15 •Operation unit Not supported 	<ul style="list-style-type: none"> •Operator Display TFTST-A20/ TFTST-A20 LVDS/ TFTST-B20 •Customer Display LIUST-A10 (VFD) / TFTST-A20 (Dual TFT display) •Keyboard PKBST-50/ PKBST-52 •Card Reader ● •I-Button ● TFTST-A20 LVDS/ TFTST-B20 •Drawer DRWST-51A/ DRWST-56 •Printer TRST-A00/ TRST-A10/ TRST-A12/ TRST-A15 •Operation unit LKBST-65

Model	ST-A10	ST-A20
	 Black Model	 White Model with Dual Display Configuration
CPU	VIA C7 1.5 GHz	Intel Celeron M440 (1.86 GHz)
Memory	2 slots DDR2 DIMM (Max.2 GB)	2 slots DDR2 SODIMM (Max.2 GB)
Display	15" TFT/ 12.1" TFT	15" TFT/ 12.1" TFT
Resolution	1024 × 768 (XGA)/800 × 600 (SVGA)	1024 × 768 (XGA)/800 × 600 (SVGA)
Touch Type	Resistive	Resistive
HDD (Single Disk)	3.5" SATA (160 GB or over) × 1	3.5" SATA (160 GB or over) × 1
(Dual Disk)	-	2.5" SATA × 2 (120 GB or over)
RAID 1	-	Yes
U-SSD I/F	Yes	Yes
CD/DVD Drive	External (Option)	External (Option)
FDD	External drive USB I/F (Option)	External drive USB I/F (Option)
Serial Ports	6 ports (External X4, Card Reader × 1, Internal × 1 for Touch)	6 ports (External X4, Card Reader × 1, Internal × 1 for Touch)
USB	6 ports (TFT × 3, Main body × 3)	6 ports (TFT × 3, Main body × 3)
Powered USB	24V × 1	24V × 1, 12V × 2
PS/2	2 ports (Mouse and Keyboard)	2 ports (Mouse and Keyboard)
Drawer	2 ports	2 ports
Display I/F	LVDS (Digital: internal use) × 1 VGA (Analog) × 1	LVDS (Digital: internal use) × 1 VGA (Analog) × 1
LAN	10Base-T/ 100Base-TX	10Base-T/ 100Base-TX
Audio	Line-out × 1/ Mic-in × 1	Line-out × 1/ Mic-in × 1 (Internal Stereo Speakers)
Cabinet Color	CB (Black), FW2 (White)	CB (Black), FW2 (White)
Dimensions	366 (W) × 251 (D) × 359 (H) mm (15" TFT) 14.4" (W) × 9.88" (D) × 14.13" (H) (15" TFT) 306 (W) × 247 (D) × 337 (H) mm (12.1" TFT) 12.04" (W) × 9.72" (D) × 13.26" (H) (12.1" TFT)	366 (W) × 251 (D) × 359 (H) mm (15" TFT) 14.4" (W) × 9.88" (D) × 14.13" (H) (15" TFT) 306 (W) × 247 (D) × 337 (H) mm (12.1" TFT) 12.04" (W) × 9.72" (D) × 13.26" (H) (12.1" TFT)
Weight	11.5 kg/ 25.35 lbs (15" TFT) 10.5 kg/ 23.15 lbs (12.1" TFT)	11.5 kg/ 25.35 lbs (15" TFT) 10.5 kg/ 23.15 lbs (12.1" TFT)
Support OS	<ul style="list-style-type: none"> •Windows XP ● •Windows VISTA Not supported ● •WEPOS ● •POSReady 2009 ● •MS-DOS 6.22 Not supported ● •Certified Linux Suse Linux 9.3 ● 	<ul style="list-style-type: none"> •Windows XP ● •Windows VISTA ● •WEPOS ● •POSReady 2009 ● •MS-DOS 6.22 Not supported ● •Certified Linux Suse Linux Enterprise Desktop 10.0 ●
Option	<ul style="list-style-type: none"> •Operator Display - •Customer Display LIUST-A10 (VFD) •Keyboard PKBST-50/ PKBST-52 •Card Reader ● •I-Button ● •Drawer DRWST-51A/ DRWST-56 •Printer TRST-A00/ TRST-A10/ TRST-A12/ TRST-A15 •Operation unit Not supported 	<ul style="list-style-type: none"> •Operator Display - •Customer Display LIUST-A10 (VFD) / TFTST-A20 (Dual TFT display) •Keyboard PKBST-50/ PKBST-52 •Card Reader ● •I-Button ● •Drawer DRWST-51A/ DRWST-56 •Printer TRST-A00/ TRST-A10/ TRST-A12/ TRST-A15 •Operation unit Not supported

MA-1595

- High Quality & Silent Thermal Printer
- System Expansion through LAN



General Specifications	
Model	MA-1595
Display	Dot 16 digits + 7 segment 10 digits (Front) 7 segment 7 digits (Customer)
Printer	2 station thermal printer Paper Width : 58 mm, Printing Speed : 20 lines/s
Keyboard	Normal : 90 Keys, Max. 120 keys (Flat)
Drawer	4 bill 8 coin with Media Slot
Option	3 serial, Expansion PLU Keyboard, LAN Additional Drawer
Dimensions	410 (W) × 430 (D) × 291 – 346 (H) mm 16.14" (W) × 16.92" (D) × 11.45" – 13.62" (H)

Main Memory			
		Standard RAM	Optional RAM
PLU	(Local)	1,500	—
EAN	(Central)	—	65,000
Cashier	(Local)	15	—
	(Central)	—	99
Customer File	(Local)	1,000	—
	(Central)	—	3,000
Data Capture		—	65,000
Departments		99	—
Department Major Group		10	—
Department Groups		30	—
Plu Groups		99	—
Credit Card Sales		12	—
Salespersons		99	—
Hourly Ranges		24	—
Media		10	—

MA-600















- Compact and Stylish Design
- Interactive Help Screen by LCD Display



General Specifications	
Model	MA-600
Display	192 × 64 dots LCD + 7 segment 10 digits LED (Front) 7 segment 7 digit LED (Customer)
Printer	2 station thermal printer Paper Width : 58 mm, Printing Speed : 14 lines/s
Keyboard	Normal : 66 Keys, Max. 106 keys (Flat)
Drawer	4 bill 8 coin with Media Slot
Option	USB, serial, Expansion PLU Keyboard Additional Drawer
Dimensions	410 (W) × 442 (D) × 291 – 351 (H) mm 16.14" (W) × 17.4" (D) × 11.45" – 13.81" (H)

RAM Allocation	
	RAM
PLU	1000
Cashier	8
Departments	40
Department Groups	15
Salespersons	30
Hourly Ranges	24
Media	10

Barcode Printer Lineup

Width	Thermal Printer					Dot Impact Printer
	High-end	Standard	Low-end	High resolution	Portable	
8 inch	 <p>B-SX8T (305dpi)</p>	 <p>B-852-TS (300dpi)</p>				 <p>Mobile dot printer</p>
6 inch	 <p>B-SX6T (305dpi)</p>	<p>"RFID ready" model*</p>				 <p>Passbook printer</p>
5 inch	 <p>B-SX5T (305dpi)</p>	 <p>B-SA4TM (203/300dpi)</p>	 <p>B-EV4D (203/300dpi)</p>	 <p>B-452-HS (600dpi)</p>		
4 inch	 <p>B-SX4T (203dpi)</p>	 <p>B-SA4TP (203/300dpi)</p>	 <p>B-EV4T (203/300dpi)</p>	 <p>B-SV4D (200dpi)</p>	 <p>B-SV4T (200dpi)</p>	 <p>B-SX600 (600dpi)</p>
2 inch						 <p>B-EP2DL B-EP4DL</p>

B-SA4TM 4" width 203 dpi/300 dpi printer

- Versatile design with industrial performance
- Central network management suite to manage all printers in a network



• Front loading design allows effective use of the printer side areas.



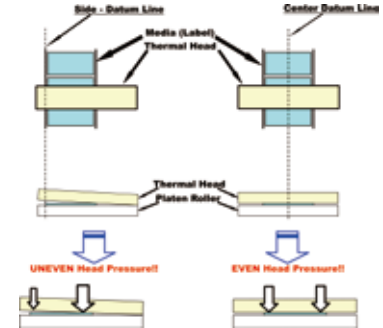
• Front loading design and small footprint size require less work space.

B-SX4 4" width 203 dpi printer

- High-end, high-quality industrial printer
- Real on-the-fly ribbon save
- RFID ready



*Center loading design
*No thermal head pressure adjustment



General Specifications		
Model	B-SA4TM-GS12	B-SA4TM-TS12
Technology	Thermal transfer / direct thermal	
Resolution	8 dots/mm (203 dpi)	11.8 dots/mm (300 dpi)
Media pitch	Min. 10.0 mm (0.39") :DT** batch mode Min. 15.0 mm (0.59") :TT** batch mode Max. 999.0 mm (39.3")	
Media Width (w/backing paper)	MIN 25.0 mm (0.98") MAX 118.0 mm (4.65")	
Print Speed	Up to 152.4 mm/sec (6 ips)	
Interfaces	Parallel port, USB 2.0, LAN (10/100Base), serial port*, expansion I/O*, wireless LAN*	
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, GS1Databar, Customer Bar Code, High priority customer barcode	
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code	
Fonts	Bitmap font (21 fonts), Outline font (4 types), Price font (3 types), Writable characters Optional True Type fonts (20 types)*	
Option	Cutter module, strip module, wireless LAN board, serial interface board, RFID kit,** 300 dpi print head, expansion I/O board, RTC (real time clock)	
Dimensions	238 (W) × 402 (D) × 332 (H) mm 9.37" (W) × 15.8" (D) × 13.1" (H)	
Weight	15 kg (33.1 lbs) (without media and ribbon)	

*Option, **DT: Direct thermal, TT: Thermal transfer

***Subject to certification and frequency regulations in each country

General Specifications	
Model	B-SX4
Technology	Thermal transfer/direct thermal
Resolution	8 dots/mm (203 dpi)
Media pitch	Min. 10.0 mm (0.39") Max. 1500.0 mm (59.1")
Media Width (w/backing paper)	Min. 30.0 mm (1.18") Max. 112.0 mm (4.41")
Print Speed	Up to 254 mm/sec (10 ips)
Interfaces	2 serial ports, Bi-directional parallel port, Expansion I/O*, PCMCIA I/F*, LAN (10/100Base)*, USB*
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, GS1Databar, Customer Bar Code
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code
Fonts	Bitmap font (21 fonts), Outline font (4 types), Price font (3 types), Writable characters, Optional True Type fonts (20 types)*
Option	Swing cutter module, rotary cutter module, strip module & rewinder, ribbon saving module, USB interface, built-in LAN board, Expansion I/O, PCMCIA I/F board, Fanfold paper guide, RFID kit**, wireless LAN board
Dimensions	291 (W) × 460 (D) × 308 (H) mm 11.5" (W) × 18.1" (D) × 12.1" (H)
Weight	18 kg (39.7 lbs) (without media and ribbon)

*Option

**Subject to certification and frequency regulations in each country

B-SX5 5" width 305 dpi printer

- High-end, high-quality industrial printer
- Real on-the-fly ribbon save
- RFID ready



*Cost saving with ribbon save function



*Ribbon usage with ribbon save

*Ribbon usage without ribbon save

B-SX6T/8T 6"/8" width 305 dpi printer

- High performance, quality industrial printer
- Real on-the-fly ribbon save (Option for B-SX6T)
- Central network management suite to manage all printers in a network
- RFID ready



General Specifications	
Model	B-SX5
Technology	Thermal transfer/direct thermal
Resolution	12 dots/mm (305 dpi)
Media pitch	Min. 10.0 mm (0.39") Max. 1500.0 mm (59.1")
Media Width (w/backing paper)	Min. 30.0 mm (1.18") Max. 140.0 mm (5.51")
Print Speed	Up to 203.2 mm/sec (8 ips)
Interfaces	2 serial ports, Bi-directional parallel port, Expansion I/O, PCMCIA I/F*, LAN(10/100Base)*, USB*
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, GS1Databar, Customer Bar Code
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code
Fonts	Bitmap font (21 fonts), Outline font (4 types), Price font (3 types), Writable characters, Optional True Type fonts (20 types)*
Option	Swing cutter module, rotary cutter module, USB interface, built-in LAN board, PCMCIA I/F board, Fanfold paper guide, RFID kit,** wireless LAN board
Dimensions	291 (W) × 460 (D) × 308 (H) mm 11.5" (W) × 18.1" (D) × 12.1" (H)
Weight	19 kg (41.9 lbs) (without media and ribbon)

*Option

**Subject to certification and frequency regulations in each country

General Specifications		
Model	B-SX6T	B-SX8T
Technology	Thermal transfer/direct thermal	
Resolution	12 dots/mm (305 dpi)	
Media pitch	Min. 10.0 mm (0.39") Max. 1709.0 mm (67.3")	Min. 10.0 mm (0.39") Max. 1368.0 mm (53.9")
Media Width (w/backing paper)	Min. 84.0 mm (3.31") Max. 175.0 mm (6.89")	Min. 101.6 mm (4.0") Max. 225.0 mm (8.86")
Print Speed	Up to 203.2 mm/sec (8 ips)	
Interfaces	Bi-directional parallel port, USB 2.0, LAN (10/100Base), serial port*, wireless LAN*, expansion I/O*	
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, GS1Databar, Customer Bar Code	
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code	
Fonts	Bitmap font (21 fonts), Outline font (4 types) Price font (3 types), Writable characters Optional True Type fonts (20 types)*	
Option	Cutter module, strip module, ribbon save module, wireless LAN module, serial interface board, expansion I/O board, RTC (real time clock), metal supply cover**, RFID kit***	Cutter module, strip module, wireless LAN module, serial interface board, expansion I/O board, RTC (real time clock), metal supply cover**, RFID kit***
Dimensions	416 (W) × 289 (D) × 395 (H) mm 16.4" (W) × 11.4" (D) × 15.6" (H)	
Weight	25 kg (55.2 lbs) (without media and ribbon)	

*Option, **Available in Europe only, ***Subject to certification and frequency regulations in each country

B-SX600 4" width 600 dpi printer

- Robust build quality encased in metal
- Incredible 600×1200 dpi ultra high resolution
- Perfect for tiny barcodes & top quality graphics



• 1200dpi paper feed resolution.
3mm pitch label can be printed.

General Specifications

Model	Standard HS11(USB) HS12(LAN)	Cutter HC11(USB) HC12(LAN)	Peel-Off HH11(USB) HH12(LAN)
Technology	Thermal transfer/direct thermal		
Resolution	23.6 dots/mm (600 dpi)		
Media pitch	Min. 5.0 mm (0.20") Max. 1000 mm (39.4")	Min. 10.0 mm (0.39") Max. 1000 mm (39.4")	Min. 12.0 mm (0.47") Max. 1000 mm (39.4")
Media Width (w/backing paper)	Min. 15.0 mm (0.59") Max. 120.0 mm (4.72")		
Print Width	Max. 104.0 mm (4.09")		
Print Speed	Up to 150 mm/sec (5.9 ips)		
Interfaces	HS11, HC11, HH11: USB 2.0 High speed, expansion IO HS12, HC12, HH12: LAN (10/100Base), expansion IO		
User interface	Graphic LCD (128 dots × 64 dots) LED (Power: green, Ready: green, Error: red, Data: green)		
Printer Driver	Windows® XP / 2000 / Server 2003		
Dimensions	300 (W) × 455 (D) × 353.5 (H) mm 11.8" (W) × 17.9" (D) × 13.9" (H)		
Weight	HS11, HC11, HH11: 20.6 kg (45.4 lbs) HS12, HC12, HH12: 21.0 kg (46.3 lbs)		

B-852-R 8" width 300 dpi printer

- Powerful wide web printing in a compact body and robust package
- Connectivity and expandability
- High processing speed for processing large files



General Specifications

Model	B-852-R
Technology	Thermal transfer/direct thermal
Resolution	11.8 dots/mm (300 dpi)
Media pitch	Min. 15.0 mm (0.59") Max. 640.0 mm (25.2")
Media Width (w/backing paper)	Min. 100.0 mm (3.94") Max. 242.0 mm (9.53")
Print Speed	Up to 101.4 mm/sec (4 ips)
Interfaces	Parallel port, USB 2.0, LAN (10/100Base), serial port*, expansion I/O*, wireless LAN*
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, GS1 Databar, Customer Bar Code
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code
Fonts	Bitmap font (21 fonts), Outline font (4 types) Price font (3 types), Writable characters Optional True Type fonts (20 types)*
Option	Cutter module, wireless LAN module, serial interface board, expansion I/O board, RTC (real time clock)
Dimensions	385 (W) × 181 (D) × 243 (H) mm 15.2" (W) × 7.13" (D) × 9.57" (H)
Weight	15.6 kg (34.4 lbs) (without media and ribbon)

*Option,

B-SA4TP 4" width 203 dpi / 300 dpi printer

- Plastic casing for office environments
- Central network management suite to manage all printers in a network



B-EV4D 4" width 203 dpi / 300 dpi printer

- Compact professional label printing
- Design and print straight from a PC
- Slots straight into existing systems



- Easy supply loading Media cover opens at 90° angle to allow easy access to droprin 5" O.D. media
- Tool-less maintenance Print head and platen roller can be replaced without any tool

General Specifications		
Model	B-SA4TP-GS12	B-SA4TP-TS12
Technology	Thermal transfer/direct thermal	
Resolution	8 dots/mm (203 dpi)	11.8 dots/mm (300 dpi)
Media pitch	Min. 10.0 mm (0.39") :DT** batch mode Min. 15.0 mm (0.59") :TT** batch mode Max. 999.0 mm (39.3")	
Media Width (w/backing paper)	MIN 25.0 mm (0.98") MAX 118.0 mm (4.65")	
Print Speed	Up to 152.4 mm/sec (6 ips)	
Interfaces	Parallel port, USB 2.0, LAN (10/100Base), serial port*, expansion I/O*, wireless LAN*	
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, GS1Databar, Customer Bar Code, Highest priority customer barcode	
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code	
Fonts	Bitmap font (21 fonts), Outline font (4 types), Price font (3 types), Writable characters, Optional True Type fonts (20 types)*	
Option	Cutter module, strip module, wireless LAN board, serial interface board, RFID kit, 300 dpi print head, expansion I/O board, RTC (real time clock)	
Dimensions	238 (W) × 339 (D) × 332 (H) mm 9.37" (W) × 13.3" (D) × 13.1" (H)	
Weight	12 kg (26.5 lbs) (without media and ribbon)	

*Option, **DT:Direct thermal, TT:Thermal transfer

General Specifications		
Model	GS Model	TS Model
Technology	Direct thermal	
Resolution	8 dots/mm (203 dpi)	11.8 dots/mm (300 dpi)
Media pitch	Min. 10.0 mm (0.39")batch Max. 999.0 mm (39.3")batch	Min. 10.0 mm (0.39")batch Max. 457.2 mm (18.0")batch
Media Width (w/backing paper)	Min. 25.4 mm (1.0") Max. 112.0 mm (4.41")	
Print Speed	Up to 127.0 mm/s (5 ips)	Up to 101.6 mm/s (4 ips)
Interfaces	Serial port, Parallel port, USB 2.0 (Full Speed), LAN (10/100Base)	
Barcodes	UPC/EAN/JAN, Code39, Code93, Code128, EAN128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, Plessey, GS1Databar, Customer Bar Code, Highest Priority Customer Bar Code	
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code	
Fonts	Bitmap font (20 fonts), Outline font (2 types), Writable characters	
Option	Full cutter module, partial cutter module, strip module, external media holder, keyboard unit, power cable tray, Linerless kit	
Dimensions	198 (W) × 258 (D) × 169.5 (H) mm 7.80" (W) × 10.2" (D) × 6.67" (H)	
Weight	2.3 kg (5.1 lbs) (without media and ribbon)	

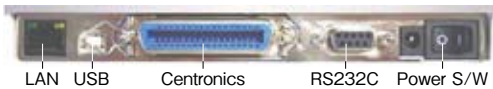
B-EV4T 4" width 203 dpi / 300 dpi printer

- Compact professional label printing
- Design and print straight from a PC
- Slots straight into existing systems



スペースが空いているような...

As standard all printers come with the following interfaces



- RS-232C 9 pin up to 115200bps
- USB 2.0 up to 12Mbps
- 10/100 Mb Internal LAN
- SPP Centronics port

B-SV4D/SV4T 4" width 203 dpi printer

- Super-value, direct thermal desktop printer
- Small footprint
- Design and print straight from a PC



General Specifications		
Model	GS Model	TS Model
Technology	Direct thermal/Thermal transfer	
Resolution	8 dots/mm (203 dpi)	11.8 dots/mm (300 dpi)
Media pitch	Min. 10.0 mm (0.39") batch Max. 999.0 mm (39.3") batch	Min. 10.0 mm (0.39") batch Max. 457.2 mm (18.0") batch
Media Width (w/backing paper)	Min. 25.4 mm (1.0") Max. 112.0 mm (4.41")	
Print Speed	Up to 127.0 mm/s (5 ips)	Up to 101.6 mm/s (4 ips)
Interfaces	Serial port, Parallel port, USB 2.0 (Full Speed), LAN (10/100Base)	
Barcodes	UPC/EAN/JAN, Code39, Code93, Code128, EAN128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, Plessey, GS1Databar, Customer Bar Code, Highest Priority Customer Bar Code	
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code	
Fonts	Bitmap font (20 fonts), Outline font (2 types), Writable characters	
Option	Full cutter module, partial cutter module, strip module, external media holder, keyboard unit, power cable tray, Linerless kit	
Dimensions	198 (W) × 258 (D) × 173 (H) mm 7.80" (W) × 10.2" (D) × 6.81" (H)	
Weight	2.4 kg (5.3 lbs) (without media and ribbon)	

General Specifications		
Model	B-SV4D	B-SV4T
Technology	Direct thermal	Thermal Transfer/direct thermal
Resolution	8 dots/mm (203 dpi)	
Media pitch	Min. 10.0mm (0.39") batch mode Max. 609.6 mm (24.0")	
Media Width (w/backing paper)	Min. 25.4 mm (1.0") Max. 112.0 mm (4.41")	
Print Speed	Up to 127 mm/s (5 ips)	
Interfaces	Serial port, Parallel port*, USB, LAN (10/100Base)**	
Barcodes	UPC/EAN/JAN, Code39, Code93, Code128, EAN128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, Plessey, GS1Databar, Customer Bar Code, Highest Priority Customer Bar Code	
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code	
Fonts	Bitmap font (6 fonts), Outline font (1 type)	
Option	Keyboard, cutter module, partial cutting module, expansion flash memory module, strip sensor module, LAN adapter, external media holder	
Dimensions	200 (W) × 232 (D) × 169 (H) mm 7.87" (W) × 9.13" (D) × 6.65" (H)	213 (W) × 314 (D) × 188 (H) mm 8.38" (W) × 12.4" (D) × 7.40" (H)
Weight	2 kg (4.4 lbs) (without media and ribbon)	2.8 kg (6.2 lbs) (without media and ribbon)

*Standard on GS10 model, not available on GS12 model, **Standard on GS12 model

B-452-R 4" width 300 dpi printer

- Versatile standard interface
- Super-value desktop printer
- Small footprint



General Specifications	
Model	B-452-R
Technology	Thermal transfer/direct thermal
Resolution	11.8 dots/mm (300 dpi)
Media pitch	Min. 15.0 mm (0.59") batch mode Max. 999.0 mm (39.3")
Media Width (w/backing paper)	Min. 25.4 mm (1.00") Max. 114.0 mm (4.49")
Print Speed	Up to 101.6 mm/s (4 ips)
Interfaces	Parallel port, USB 2.0, LAN (10/100Base), serial port*, expansion I/O*, wireless LAN*
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Industrial 2 of 5, ITF, Postnet, RM4SCC, KIX-code, GS1Databar, Customer Bar Code, Highest priority customer barcode, Matrix 2 of 5
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417, CP Code
Fonts	Bitmap font (20 fonts), Outline font (4 types), Price font (3 types), Writable characters Optional True Type fonts (20 types)*
Option	Cutter module, strip module, expansion I/O, serial interface board, wireless LAN Board
Dimensions	268 (W) × 198 (D) × 244 (H) mm 10.6" (W) × 7.80" (D) × 9.61" (H)
Weight	4.7 kg (10.4 lbs) (without media and ribbon)

*Option

B-SP2D 2" width 203 dpi portable printer

- Compact, light and hands-free
- Efficient battery use



General Specifications	
Model	B-SP2D
Technology	Direct thermal
Resolution	8 dots/mm (203 dpi)
Media pitch	Min. 10.0 mm (0.39") Max. 167.0 mm (6.57")
Media Width (w/backing paper)	Min. 25.0 mm (0.98") Max. 55.0 mm (2.17")
Print Speed	Up to 80 mm/s (3.15 ips)
Interfaces	IrDA+Serial GH20-model IrDA+Bluetooth GH30-model IrDA+Wireless LAN GH40-model
Barcodes	UPC/EAN/JAN, Code 39, Code 128, EAN 128, NW7, MSI, ITF, GS1Databar, Customer Bar Code, Highest priority customer barcode,
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417
Fonts	Bitmap font (21 fonts), Outline font (1 type) Price font (1 type), Writable characters
Option	Battery, battery charger, 5-slot battery charger
Dimensions	GH20/30 : 114 (W) × 44 (D) × 91 (H) mm 4.49" (W) × 1.73" (D) × 3.58" (H) GH40 : 114 (W) × 44 (D) × 101 (H) mm 4.49" (W) × 1.73" (D) × 3.98" (H)
Weight	GH20/30 : 380 g (0.84 lbs) GH40 : 410 g (0.90 lbs) (incl. battery, excl. paper roll)

B-EP2DL/4DL 2"/4" width portable printer

- Ultra-compact & contemporary rugged design
- Superior print speed with peel & present labeling
- Largest media capacity with quick & simple media loading



- Easy operation for paper loading
- Enabling long-time operations



Large media roll can be loaded

2" models can be set about 400 labels*
 4" models can be set about 530 labels*
 *In case of 50mm length

General Specifications

Model	B-EP2DL	B-EP4DL
Technology	Direct thermal	
Resolution	8 dots/mm (203 dpi)	
Media pitch	Min. 10.0 mm (0.39") Max. 999.0 mm (39.3")	
Media Width (w/backing paper)	Min. 26.0 mm (1.02") Max. 58.0 mm (2.28")	Min. 50.0 mm (1.97") Max. 115.0 mm (4.53")
Print Speed	Up to 105 mm/s (4.1 ips)	
Interfaces	USB+IrDA+Serial USB+IrDA+Bluetooth USB+IrDA+WLAN	GH20-model GH30-model GH40-model
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN128, ITF, NW7, MSI, Industrial 2 of 5, GS1 Databar, Customer Bar Code, POSTNET, RM4SCC, KIX CODE, Highest priority customer barcode, Matrix 2 of 5	
2D codes	Data Matrix, PDF 417, Maxicode, QR code, Micro PDF 417	
Fonts	Bitmap font (21 fonts), Outline font (4 types), Price font (3 types), Writable characters	
Option	Battery, shoulder strap, 1 & 6 slot chargers, upgrade interface kit (Bluetooth, wireless LAN) for GH20 model, IP54 rated carry case, linerless label kit, AC & DC adapters	
Dimensions	88.0 (W) × 121.1 (D) × 64.3 (H) mm 3.46" (W) × 4.77" (D) × 2.53" (H) (Excluding projecting parts)	150 (W) × 145 (D) × 77 (H) mm 5.90" (W) × 5.71" (D) × 3.03" (H) (Excluding projecting parts)
Weight	480 g (1.1 lbs)	860 g (1.90 lbs)

MD-480I Mobile dot matrix printer

- Specially designed for printing on the invoices and documents in a vehicle



Single form



Continuous form

- Without opening the cover, the paper can be set to the tractor feeder.
- The newly designed 24 wire print head makes possible the highest print speed in the class with 480 cps @ 12 cpi and 400 cps @ 10 cpi.
- Supporting various kinds of interface with auto switch function and realizing easy connect operation.

Passbook printer

- Dot impact for printing on the passbook, ticket, statement.



- Heavy duty printing
- Flat pass printing for thicker paper
- Passbook up to t2.0mm can be used for printing
- Low running cost
- Compact and Flat TOP Design
- Right alignment model is currently available

Option List

Option Item	Categories		Industrial Printer								Standard Printer								Portable Printer															
	Model name		B-SA4TM-GS12-QM-R	B-SA4TM-TS12-QM-R	B-SX4T-GS20-QM-R	B-SX600-HS11-QM-R	B-SX600-HH11-QM-R	B-SX600-HC11-QM-R	B-SX600-HS12-QM-R	B-SX600-HH12-QM-R	B-SX600-HC12-QM-R	B-SX6T-TS22-QM-R	B-SX6T-TS12-QM-R	B-SX8T-TS12-QM-R	B-SV4D-GS10-QM-R	B-SV4D-GS12-QM-R	B-EV4D-GS10-QM-R	B-EV4D-TS14-QM-R	B-SV4T-GS10-QM-R	B-EV4T-GS14-QM-R	B-EV4T-TS14-QM-R	B-A62-TS22-QQ-QP-R	B-SM4TP-GS12-QM-R	B-SM4TP-TS12-QM-R	B-SM2-TS22-QQ-QP-R	B-SP2D-GH20-QM-R	B-SP2D-GH30-QM-R	B-SP2D-GH40-QM-R	B-EP2DL-GH20-QM-R	B-EP2DL-GH30-QM-R	B-EP2DL-GH40-QM-R	B-EP4DL-GH20-QM-R	B-EP4DL-GH30-QM-R	B-EP4DL-GH40-QM-R
Cutter	Cutter module (Std)																																	
	B-SA204-QM-R																																	
	B-4205-QM-R																																	
	B-8204-QM-R (Rotary cutter)																																	
	B-SX208-QM-R																																	
	B-SV204-QM-R																																	
	B-SV404-QM-R																																	
Peel off	Peel off module (Std)																																	
	B-SA904-H-QM-R																																	
	B-9904-H-QM-R																																	
	B-SX908-H-QM-R																																	
	B-SV904-H-QM-R																																	
	B-SV404-H-QM-R																																	
	B-7904-H-QM-R																																	
LAN interface	LAN interface (Std)																																	
	B-9700-LAN-QM-R																																	
	B-SV704-LAN-QQ-R																																	
	B-7704-LAN-QM																																	
	Wireless LAN (Std)																																	
USB interface	USB interface (Std)																																	
	B-9700-USB-QM-R																																	
PCMCIA interface	B-9700-PCM-QM-R																																	
	B-8700-PC-QM																																	
Serial interface	Serial interface (Std)																																	
	B-SA704-RS-QM-R																																	
Parallel interface	Parallel interface (Std)																																	
	B-7704-RS-QM-R																																	
Expansion I/O interface	Expansion IO interface (Std)																																	
	B-SA704-IO-QM-R																																	
Memory module	B-7704-IO-QM-R																																	
	SD Card Slot																																	
	AC Adapter Cover																																	
	Real time clock																																	
	B-9904-R2-QM-R																																	
	B-SX908-R-QM-R																																	
	B-SV704-E1M-QM-R																																	
	B-SV704-E2M-QM-R																																	
	B-SV704-E3M-QM-R																																	
	B-SV704-E4M-QM-R																																	
	B-SV704-E6M-QM-R																																	
	B-SV704-E8M-QM-R																																	
	300 dpi thermal head																																	
	External label holder	B-SA704-TPH3-QM-R																																
B-4905-FF-QM-R																																		
RFID UHF kit	B-SV904-PH-QM-R																																	
	B-EV904-PH-QM-R																																	
	B-9704-RFID-H1-QM-R																																	
	B-SA704-RFID-U2-EU-R																																	
Battery	B-SX704-RFID-U2-US-R																																	
	B-SX704-RFID-U2-CN-R																																	
Battery Charger	B-SX704-RFID-U2-EU-R																																	
	B-SX708-RFID-U2-CN-R																																	
	B-SX708-RFID-U2-EU-R																																	
	B-SX704-RFID-U2-CN-R																																	
	B-SX708-RFID-U2-EU-R																																	
	B-SX704-RFID-U2-CN-R																																	
5 slot Battery Charger	B-SV2D-BT-R																																	
	B-EP802-BT-QM-R																																	
	B-EP804-BT-QM-R																																	
	B-SP2D-CHG-QM-R																																	
6 slot Battery Charger	B-EP800-CHG-QM-R																																	
	B-SP2D-CHG5-QM-R																																	
AC adapter	B-EP800-CHG6-QM-R																																	
	B-EP800-AC-QM-R																																	
	DC adapter																																	
	B-EP800-DC48-QM-R																																	
Shoulder strap	Cigarette lighter adapter																																	
	B-EP802-DC12-QM-R																																	
Carry case	Linerless Label kit																																	
	B-EP902-LL-QM-R																																	
	B-EP904-LL-QM-R																																	

Fonts & Printers

Categories			Industrial Printer							Standard Printer							Portable Printer							
Model name			B-SA4TM (203 dpi)	B-SA4TM (300 dpi)	B-SX4	B-SX600	B-SX5	B-SX6	B-SX8	B-SV4D	B-SV4T	B-EV4D (203 dpi)	B-EV4D (300 dpi)	B-EV4T (203 dpi)	B-EV4T (300 dpi)	B-SA4TP (203 dpi)	B-SA4TP (300 dpi)	B-492-R	B-892-R	B-SP2D	B-EP2DL	B-EP4DL		
			Times Roman			8 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•		•
			10 point	•	•	•	•	•	•															
			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			15 point	•	•	•	•	•	•															
Times Roman Bold			10 point	•	•	•	•	•	•															
			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			14 point	•	•	•	•	•	•															
			15 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			18 point	•	•	•	•	•	•															
			21 point	•	•	•	•	•	•															
<i>Times Roman Italic</i>			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			18 point	•	•	•	•	•	•															
Helvetica			6 point	•	•	•	•	•	•															
			9 point	•	•	•	•	•	•															
			10 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			12 point	•	•	•	•	•	•															
			15 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			18 point	•	•	•	•	•	•															
Helvetica Bold			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			14 point	•	•	•	•	•	•															
			18 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			21 point	•	•	•	•	•	•															
<i>Helvetica Italic</i>			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			18 point	•	•	•	•	•	•															
PRESENTATION BOLD			18 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			27 point	•	•	•	•	•	•															
Letter Gothic			9.5 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Letter Gothic Medium			14.3 point	•	•	•	•	•	•															
Prestige Elite			7 point	•	•	•	•	•	•															
			10.5 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Prestige Elite Bold			10 point	•	•	•	•	•	•															
			15 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Courier Medium			10 point	•	•	•	•	•	•															
			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			15 point	•	•	•	•	•	•															
Courier Bold			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			18 point	•	•	•	•	•	•															
OCR-A			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
OCR-B			12 point	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Standard			12 x 24 dots	•	•	•	•	•	•															
Bold			48 x 96 dots	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Price Font 1			\$0123456789	•	•	•	•	•	•															
Price Font 2			\$0123456789	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
GOTHIC 725 BLACK				•	•	•	•	•	•															
Helvetica Bold				•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Helvetica Bold Proportional				•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
Price Font 3Type			\$0123456789	•	•	•	•	•	•															
			\$0123456789	•	•	•	•	•	•			•	•	•	•	•	•	•	•	•		•	•	•
			\$0123456789	•	•	•	•	•	•															
Dutch 801Bold				•	•	•	•	•	•															
<i>Brush 738 Regular</i>				•	•	•	•	•	•															
GOTHIC 725 BLACK				•	•	•	•	•	•															

A global enterprise that cares for the environment.

TOSHIBA TEC, with its global operations, believes that gaining the trust of our stakeholders—including customers, employees, and communities in all countries and regions—and working for mutual prosperity is essential to achieving sustainable growth as a corporate entity. To this end, TOSHIBA TEC pursues its business activities with the steady mindset of a “global enterprise,” which is significant in the following two ways. The first is being a corporate pioneer in creating a better natural environment for the world. We actively endeavor to lessen our environmental impact and curb our CO2 emissions in every aspect of our business activities – development, manufacturing and sales – around the world.



Sustainability at the TOSHIBA TEC Group



Sustainability Management	<ul style="list-style-type: none"> • Environmental Vision 2050 (Fourth Voluntary Plan for Environmental Protection) • Environmental control systems 	<ul style="list-style-type: none"> • Environmental audits • Sustainability information systems • Environmental education
Development and Sales of Eco-Products	<ul style="list-style-type: none"> • Improvements in product eco-efficiencies • Environmental control systems 	<ul style="list-style-type: none"> • Elimination of designated chemical substances • Collection of used products and expansion of recycling
Promotion of Eco-Products	<ul style="list-style-type: none"> • Reduction of environmental impact at production and non-production sites 	<ul style="list-style-type: none"> • Prevention of global warming • Control of chemical substances • Effective use of resources
Promotion of Environmental Communications	<ul style="list-style-type: none"> • Exhibits at environmental events • Dialog with local communities 	<ul style="list-style-type: none"> • Issuance of CSR reports • Environmental PR

Networks



EUROPE

TOSHIBA TEC EUROPE RETAIL INFORMATION SYSTEMS S.A.

[Headquarters]

Rue De La Celidee 33, B-1080 Brussels, Belgium
TEL:+32-2-410-2100
<http://www.toshibatec-eu.com/>

[Belgium Operations]

Rue De La Celidee 33, B-1080 Brussels, Belgium
TEL:+32-2-410-2100

[UK Operations]

300 The Campus, Spring Way, Maylands Avenue,
Hemel Hempstead, Hertfordshire, HP2 7GG,
England, The United Kingdom
TEL:+44-870-890-7200

[Ireland Operations]

Unit 7, Crumlin Business Centre, Stannaway
Drive, Dublin 12, Republic of Ireland
TEL:+353-1-465-2220

[Germany Operations]

Europark Fichtenhain B15 D-47807 Krefeld,
Germany
TEL:+49-2151-83801

[Austria Operations]

Handelskai 388/Top 621, Donau Business Center,
AT-1020 Wien, Austria
TEL:+43-1-319-7211

[France Operations]

23/25 Avenue Jeanne d' Arc 94117 Arcueil
Cedex, France
TEL:+33-1-5807-2000

[Spain Operations]

C/ Deyanira 57, 28022 Madrid, Spain
TEL:+34-91-502-1590

[Portugal Operations]

Taguspark - Parque de Ciência y Tecnologia
Núcleo Central Sala 363-365-2780-920
Oeiras (Lisboa)
TEL:+351-21-422-2064

[Netherlands Operations]

Softwareweg 3, 3821 BN Amersfoort,
the Netherlands
TEL:+31-33-453-8100

TEC ITALIA, S.r.l.

Via Leonardo da Vinci 39/D, 20094 Corsico
(Milano), Italy
TEL:+39-02-48602461
http://www.toshibatec.it/store/webSite_index.asp

TEC POLSKA Sp. zo. o.

Ul. Mineralna 15A, 02-274 Warszawa, Poland
TEL:+48-22-5360-710

ASIA

TOSHIBA TEC INFORMATION SYSTEMS (SHENZHEN) CO.,LTD.

8th Floor, The Center, 989 Changle Road,
Shanghai 200031, The People's Republic of China
TEL:+86-021-6103-0888
http://www.toshiba-tec.com.cn/CN/index_cn_L.aspx

TOSHIBA TEC KOREA CO., LTD.

4th Floor, Juyeon Building, 209 Seogye-Dong,
Yongsan-Gu, Seoul Republic of Korea 140-710
TEL:+82-2-3279-0001
<http://www.toshibateckorea.com/>

TOSHIBA TEC SINGAPORE PTE LTD

2 Ang Mo Kio Street 62, Singapore 569138
TEL:+65-6481-9488

OCEANIA

TOSHIBA TEC AUSTRALIA PTY. LTD.

Unit 1, 9-11 South Street, Rydalmere, NSW
2116, Australia
TEL:+61-2-8845-6200
<http://www.toshibatec.com.au/>

NORTH AMERICA

TOSHIBA TEC AMERICA RETAIL INFORMATION SYSTEMS, INC.

2 Musick, Irvine, CA 92618-1631, USA
TEL:+1-949-462-2850
<http://www.toshibatecusa.com/>

TOSHIBA TEC CANADA INC.

370 Britannia Road East, Unit #1 Mississauga
Ontario, Canada L4Z 1X9
TEL:+1-905-890-8283
<http://www.toshibateccanada.com/>