

TOSHIBA

BV400D & BV400T series Launch Guide

Ver 1.0
Aug 2023



BV400D series

BV400T series

BV400D series

BV400T series

This profile covers the entire BV400 Series both Thermal Transfer and Direct Thermal versions.

To easily identify specifications and features you will find in the top right-hand corner of the slide the labels BV400D series and BV400T series

This will also show if the feature or graph etc. on this slide pertains to either series or both series.

Background

What is the BV400 series?

The BV400 series is the latest Toshiba entry model printer series.

It comprises of BV400D series which are direct thermal barcode printers and the BV400T series which are Thermal Transfer Printers. Both the direct thermal and thermal transfer versions are available in models with or without LCD display.

These printers are designed to be powerful and feature rich but are the most affordable option in the Toshiba Barcode printer range.

These user-friendly compact printers are the successors to the current entry models — B-FV4 and B-EV4 series. Designed to reflect the user feed back received, providing usability with first-in-class printing speed and print quality, but with extended connectivity and manageability.

The BV400T Series will be launched in early 2023 and with this launch, the new series of our Toshiba Entry range will be complete.

Applications

BV400 series are 4-inch desktop printers, able to cover a wide range of applications targets as they can be used wherever labels, receipts or tags are needed to be printed.

Designed with an expected Duty cycle of up to approximately 500 prints per day these printers can be used in a wide variety of business applications.

Especially suited to applications like, reception or service counters or warehousing and logistics, or where there is limited space available like in retail shores, or healthcare, or manufacturing areas.

Product Concept

BV400D series

BV400T series

The TOSHIBA BV400 series are advanced entry range printers with a **small footprint** in a **compact & stylish body** offering the **operational flexibility** to customers.

This leading-edge printer series offers the enhanced **connectivity** with easy integration to customer's work environments through various network options.

The excellent throughput and **high-quality printing** help boost productivity while providing **excellent cost performance**. Additionally, the BV400T series is the first Toshiba entry range printer that supports RFID.

- Small footprint
- Compact & Stylish
- Operability
- Connectivity
- High performance but affordable

BV400D series

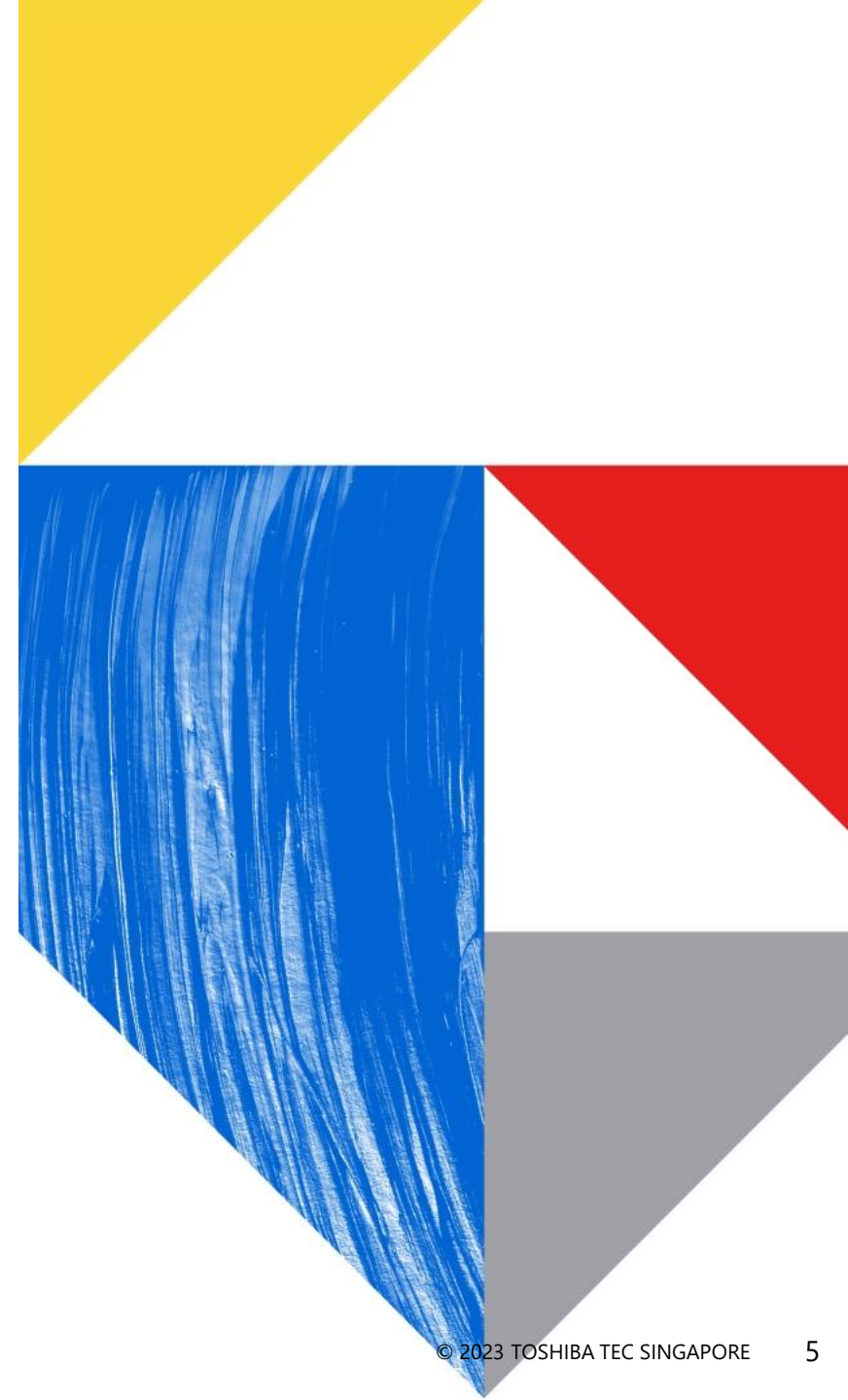


BV400T series



01

BCP Product Line-up




















Barcode Printer Product Line-up

BV400D series

BV400T series

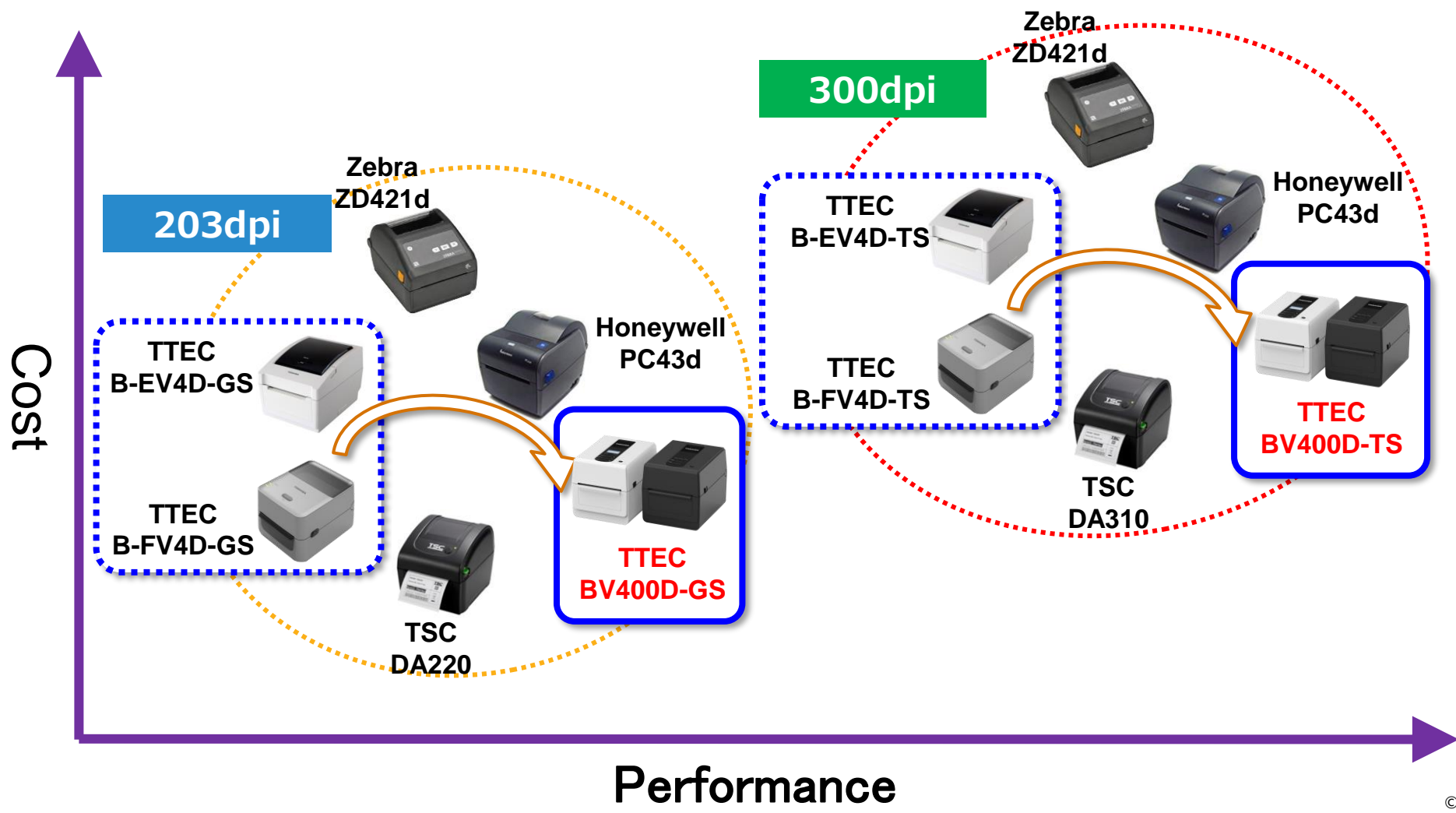
- BV400 series is an Entry range printer with an expected daily print workload of <500 labels

	High-end	Middle	Entry	Portable
8inch	 <p>B-SX8T (305dpi)</p>	 <p>B-852 (300dpi)</p>		
6inch	 <p>B-EX6T1 (203/305dpi)</p>  <p>B-EX6T3 (203/305dpi)</p>			
4inch	 <p>B-EX4T3-HS (600dpi)</p>	 <p>B-452 (300dpi)</p>	 <p>BV410D/BV420D (203/300dpi)</p>	
	 <p>BC400P (1200 x 1200dpi, inkjet Colour)</p>  <p>B-EX4T1 (200/305dpi)</p>  <p>B-EX4T2 (203dpi/305dpi/600dpi)</p>	 <p>BA410 (203/300dpi)</p>  <p>BA420 (203/300dpi)</p>	 <p>BV410T/BV420T (203/300dpi)</p>  <p>B-FV4D/B-FV4T (203/300dpi)</p>	 <p>B-EP4D (203dpi)</p>
3inch				 <p>B-FP3D (203dpi)</p>
2inch				 <p>B-FP2D (203dpi)</p>

Launch Date:
Sep 2023

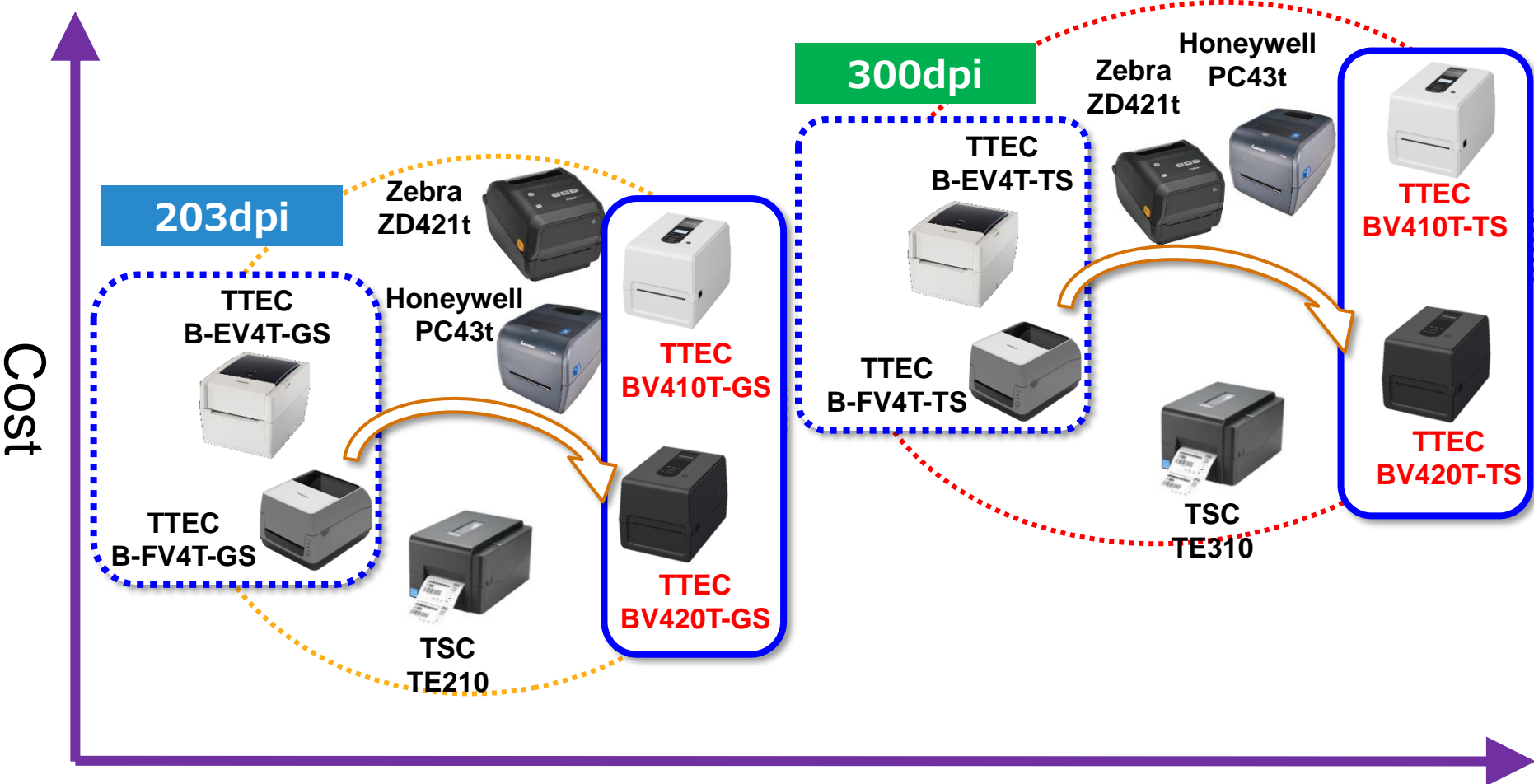
Positioning vs. competitor's

The BV400D series is benchmark to competitor's specifications



Positioning vs. competitors

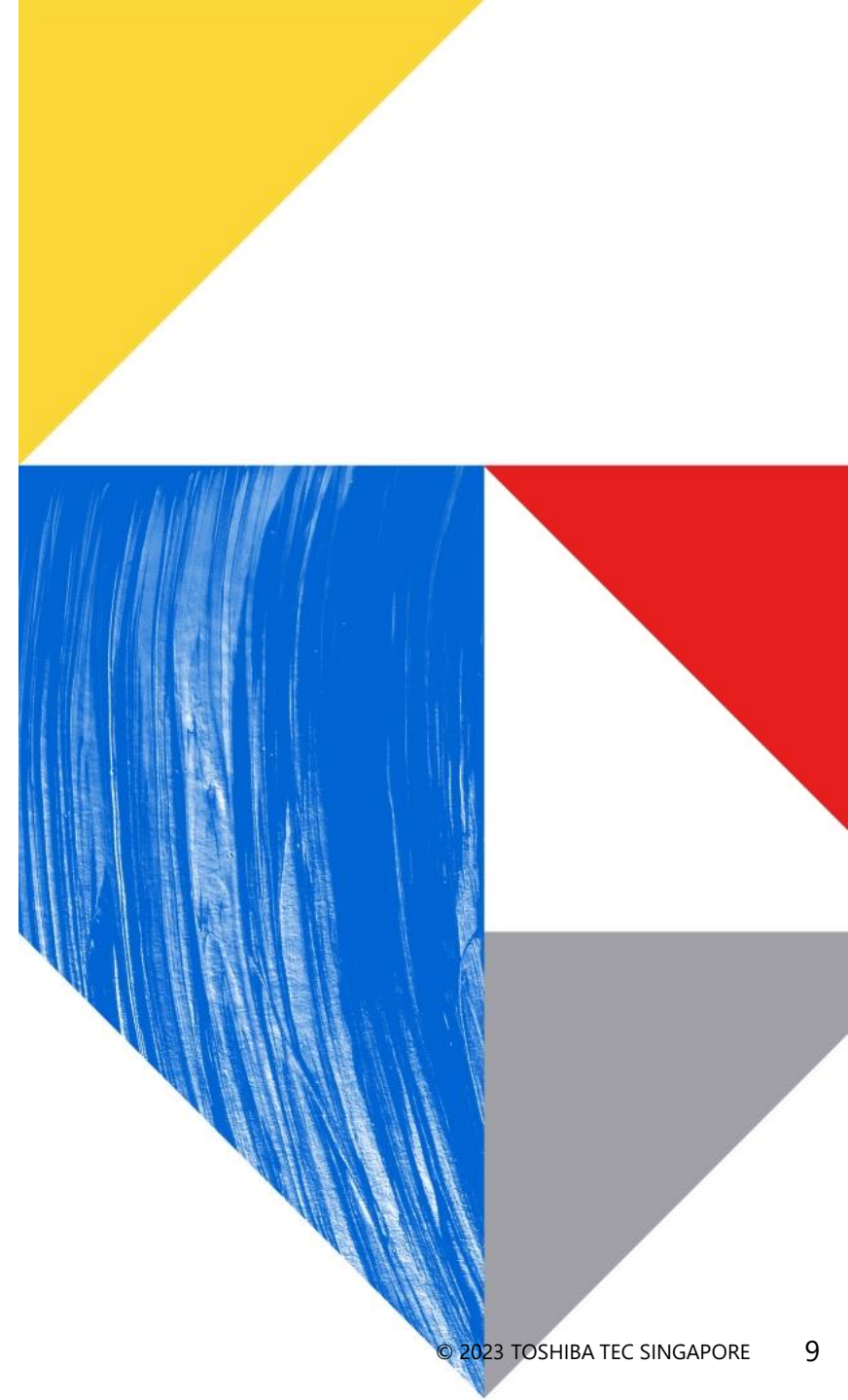
The BV400T series is benchmark to competitor's specifications



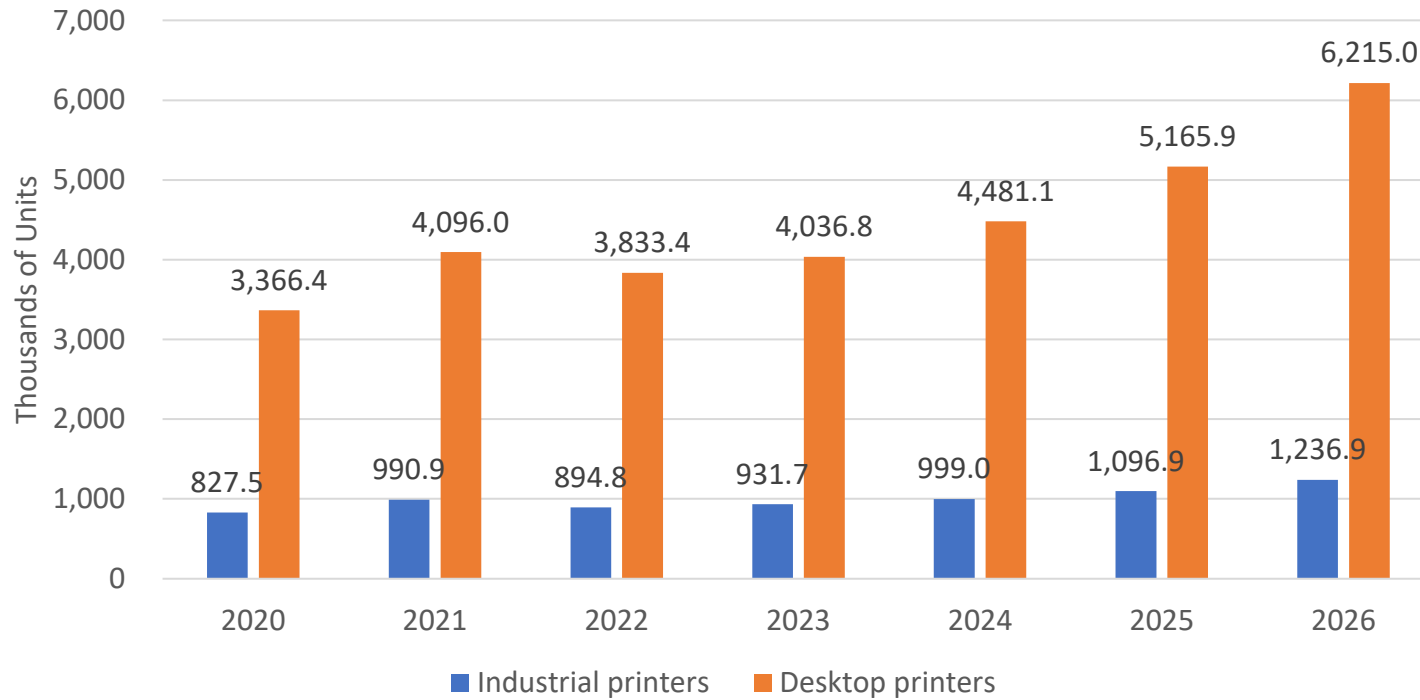
Performance

02

Market Overview



Barcode Printers segmented by Form Factor (Thousands of Units)



Unit sales desktop printers have by far surpassed that of industrial printers

With the high forecast CAGR to 2026, desktop printer is expected to continue to expand its market share in the future.

BV400 series is positioned as an entry level desktop printer to take advantage of this growing trend.

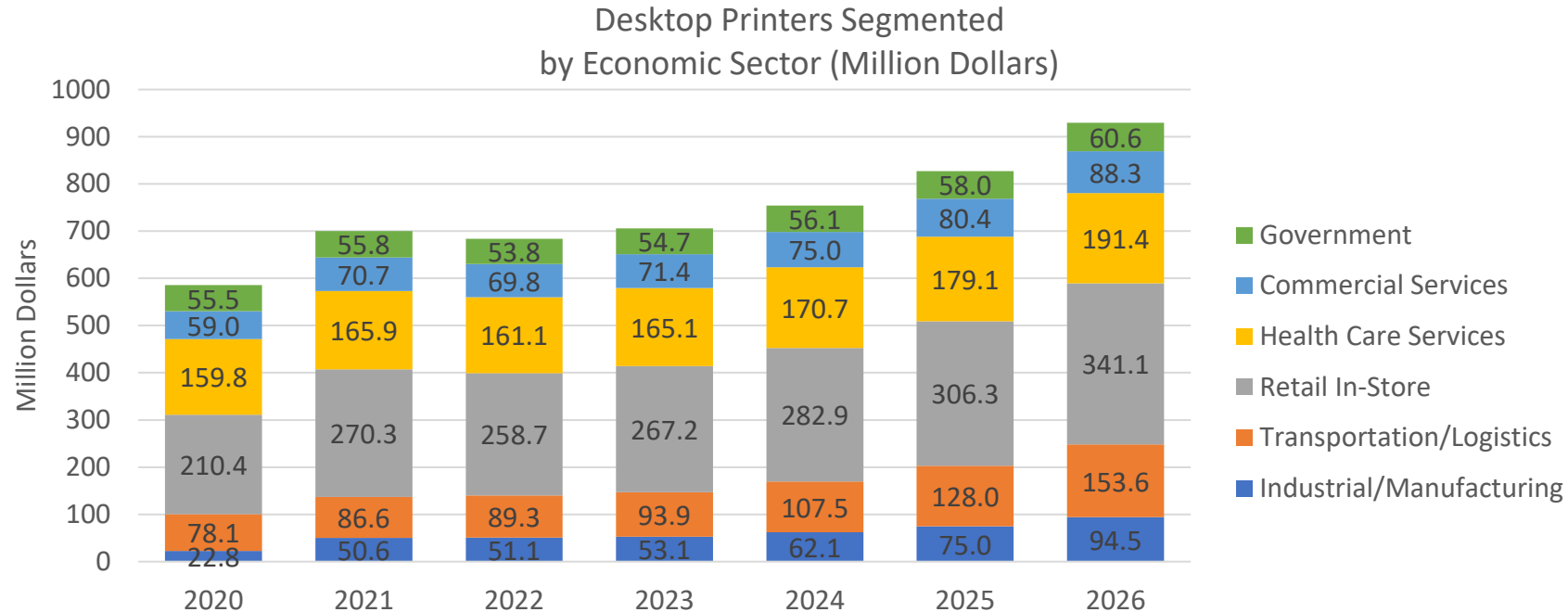
Forecasted **Global Shipments** of Stationary Thermal Barcode Printers Segmented by Form Factor (Thousands of Units)

	Historical	Forecast						CAGR
	2020	2021	2022	2023	2024	2025	2026	2021-2026
Industrial printers	827.5	990.9	894.8	931.7	999.0	1,096.9	1,236.9	4.5%
Desktop printers	3,366.4	4,096.0	3,833.4	4,036.8	4,481.1	5,165.9	6,215.0	8.7%
Total	4,193.9	5,086.9	4,728.2	4,968.5	5,480.0	6,262.7	7,451.8	7.9%



2022-Stationary Thermal Barcode Printers

Desktop printers are widely used in a variety of industrial fields



Forecasted **Global Shipments** of Desktop Barcode Printers Segmented by Economic Sector (Millions of Dollars)

	Historical	Forecast						CAGR 2021-
	CY 2020	2021	2022	2023	2024	2025	2026	2026
Industrial/Manufacturing	22.8	50.6	51.1	53.1	62.1	75.0	94.5	13.3%
Transportation/Logistics	78.1	86.6	89.3	93.9	107.5	128.0	153.6	12.2%
Retail In-Store	210.4	270.3	258.7	267.2	282.9	306.3	341.1	4.8%
Health Care Services	159.8	165.9	161.1	165.1	170.7	179.1	191.4	2.9%
Commercial Services	59.0	70.7	69.8	71.4	75.0	80.4	88.3	4.6%
Government	55.5	55.8	53.8	54.7	56.1	58.0	60.6	1.7%
Total	585.6	699.8	683.8	705.5	754.3	826.8	929.5	5.8%

Target Market

- Demands for desk top printers within healthcare organizations is increasing, they are needed to support specimen labeling requirements and patient registration. Moreover, the aim of reducing the percentage of counterfeit medicine in the pharmaceutical supply chain and heightened "know your patient" initiatives will drive demand for patient wristbands and medicine administration applications.
- About 50% of total sales of desktop printers is in transportation/logistics or retail in-store. BV400 series is expected to replace our existing models or the competitor devices.
- Sales in government and commercial services has remained low, but with a variety of prospective usages, those fields can be new targets of BV400 series. Prospective customers currently deploying industrial printers but with lower printing volume can become targets of BV400 series.

Sales rate (Base year: 2021) Industrial Printers	42%	41%	13%	4%		
Sales rate (Base year: 2021) Desktop Printers	7%	12%	39%	24%	10%	8%
CAGR (2021 – 2026) Desktop Printers	13.3%	12.2%	4.8%	2.9%	4.6%	1.7%

 Industrial Manufacturing	 Transportation Logistics	 Retail in-store	 Government	 Commercial services	 Healthcare
	Traditional			Opportunity	

Wristband, Specimen label
Pill bottle label, Blood bag, etc.

Target Market / Application

BV400D series

BV400T series



Shipping label, Warehouse label, Pallet label, Ticket printing, etc.

Pallet Label



Tracking Label



Delivery Receipt



Shipping Label (RFID)



Warehouse Labeling



Shipping Label



Logistics airway bill (RFID)





Shelf label, Mark down label, Product label, Receipt, etc.

Price Tags




Pallet Label



Receipt



Apparel Tag/label (RFID)



Price Markdown



Ingredient label



Shelf Label



Target Market / Application

Healthcare



Wristband



Blood Bag



Pill Bottle



Specimen Label



Asset Control



Blood Bag(RFID)



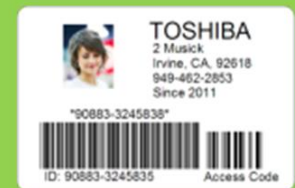
Commercial Services, Government



Ticket printing



ID Tag



Inventory management

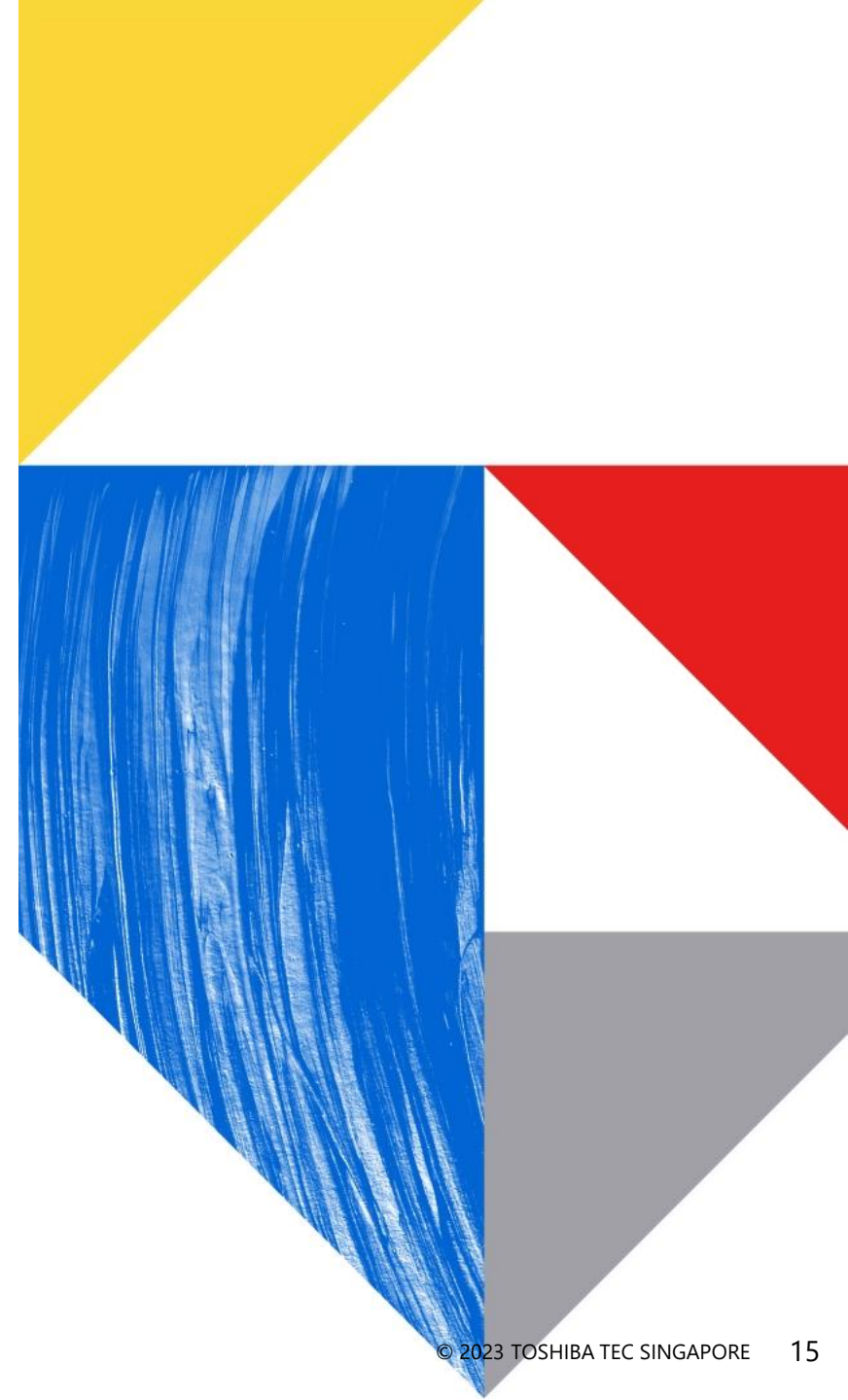


Asset Management(RFID)



03

Product Feature and Key Specifications



Feature Advantage Benefit

1. User Friendly

- Wide range(with or without LCD plus extensive options) cover all customer needs
- First-in-class compact body fits takes up less space.
- The body design comes with built-in space for cable connectors and so takes up even up less space.
- Built-in AC adapter (with optional AC adapter cover) removes the loose external power supply creating a compact neat work environment.
- 13 languages are also now supported in system mode (up from 2 languages English and Japanese).
- Support various media roll core size (1", 1.5", 3"(*) etc.) and both 0.5" and 1" ribbon core size.
(* 3" media roll core is supported with optional External Media Stand.)

2. Operability Improvement

- Easy to operate user interface
 - LCD-equipped model improves user operability
 - Enhanced LED operational screen shows clear printer statuses
 - Recessed buttons prevent accidental operation errors
- Easy media replacement
 - Remaining media can be seen at a glance
 - Easy to replace the media
 - 300m length thermal transfer ribbons are supported on the BV400T series

Feature Advantage Benefit

3. Enhanced productivity

- 20% higher throughput with up to 7ips (203dpi) print speed.
- With USB or ethernet ports as standard and WLAN or Bluetooth options covers all work environments.
- Using the cutter option or peel-off option, work efficiency will be improved.
- Linerless model on the BV400D series enhances operational choices.
- RFID printing is supported on BV410T series

4. Unnecessary System Change

- Supporting multiple emulations, BV400 series can directly replace competitor devices.
- Existing label formats and applications for competitor devices can be used in BV400 series
- Extensive middleware for development enables the use of smart devices for more mobile workers
- Scalable OS architecture for keeping pace with latest technology standards

5. Connectivity Improvement

- Setting tools for PC or mobile devices enhances set up and service procedures
- Networking tools enable to remotely monitor the printer status.
- Extensive middleware for development eases to utilize the smart devices (SDK for Windows / iOS / Android/Java)
- Dual band Wi-Fi 2.4/5 GHz
- SOTI Connect (Device management tool) support
- eCC-MC(Meter collection) support

Key Specifications

Wide range(with or without LCD plus extensive options) cover all customer needs

	Model	Description
White with LCD	BV410D-GS02-QM-S	4" 203DPI, DIRECT THERMAL BARCODE PRINTER, USB+LAN, WITH LCD, WHITE COVER
	BV410D-TS02-QM-S	4" 300DPI, DIRECT THERMAL BARCODE PRINTER, USB+LAN, WITH LCD, WHITE COVER
Black without LCD	BV420D-GS02-QM-S	4" 203DPI, DIRECT THERMAL BARCODE PRINTER, USB+LAN, W/O LCD, BLACK COVER
	BV420D-TS02-QM-S	4" 300DPI, DIRECT THERMAL BARCODE PRINTER, USB+LAN, W/O LCD, BLACK COVER
Black without LCD Linerless Model	BV420D-GL02-QM-S	4" 203DPI, DIRECT THERMAL BARCODE PRINTER, USB+LAN, W/O LCD, WITH CUTTER, BLACK COVER



Key Specifications

Wide range(with or without LCD plus extensive options) cover all customer needs

	Model	Description
White with LCD	BV410T-GS02-QM-S	4" 203DPI, BARCODE PRINTER, USB+LAN, WITH LCD, WHITE COVER
	BV410T-TS02-QM-S	4" 300DPI, BARCODE PRINTER, USB+LAN, WITH LCD, WHITE COVER
Black without LCD	BV420T-GS02-QM-S	4" 203DPI, BARCODE PRINTER, USB+LAN, W/O LCD, BLACK COVER
	BV420T-TS02-QM-S	4" 300DPI, BARCODE PRINTER, USB+LAN, W/O LCD, BLACK COVER

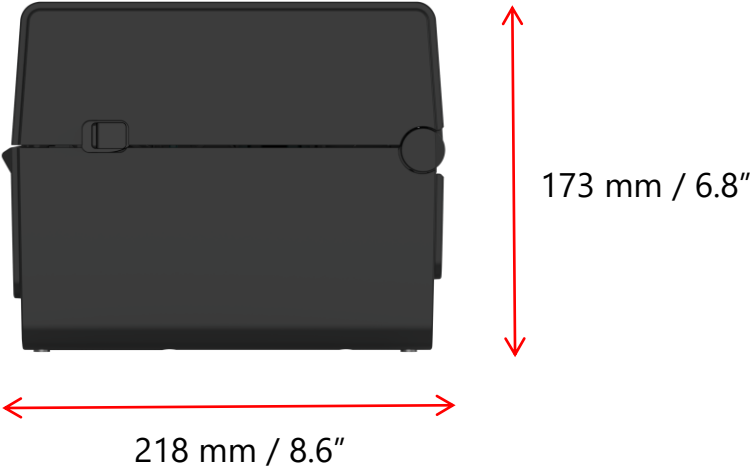
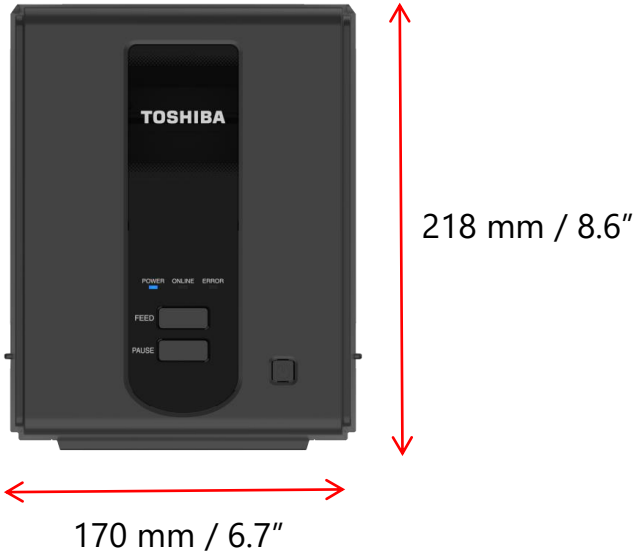


Key Specifications

➤ **The compact body design takes up less space**

Comparing the compact body to Toshiba current models, **BV400D** takes up less desk space.

	BV400D	B-FV4D	B-EV4D
Width	170 mm / 6.7"	184 mm / 7.2"	198 mm / 7.8"
Depth	218 mm / 8.6"	226 mm / 8.9"	258 mm / 10.2"
Height	173 mm / 6.8"	166 mm / 6.5"	169.5 mm / 6.7"
W x D (cm ²)	362 cm ²	416 cm ²	511 cm ²
Weight	1.8 kg	1.8 kg	2.3 kg



Key Specifications

➤ **The compact body design takes up less space**

Comparing the compact body to Toshiba current models, **BV400T** takes up less space.

	BV400T	B-FV4T	B-EV4T
Width	200 mm / 7.87"	220.6 mm / 8.7"	198 mm / 7.8"
Depth	267 mm / 10.51"	279 mm / 11.0"	258 mm / 10.2"
Height	198.3 mm / 7.81"	182 mm / 7.2"	173 mm / 6.8"
W x D (cm ²)	534 cm ²	614 cm ²	511 cm ²
Weight	2.9 kg	2.4 kg	2.4 kg



200 mm / 7.87"

267 mm / 10.51"

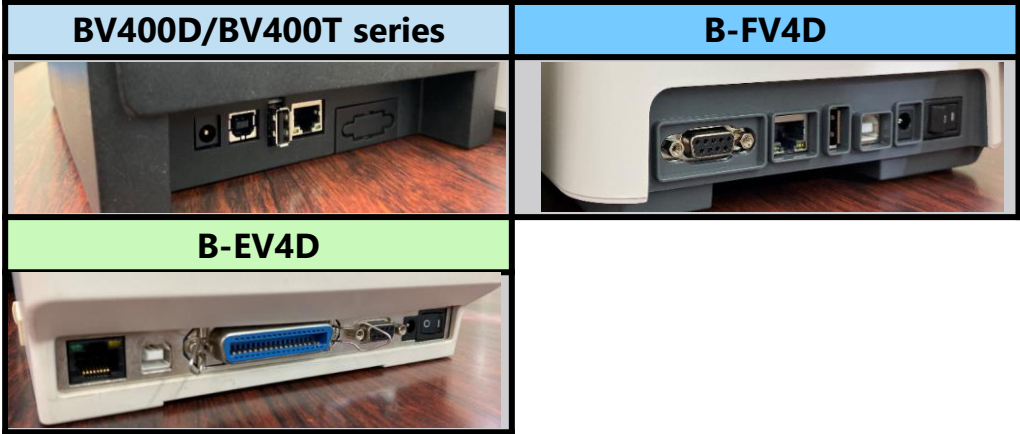


267 mm / 10.51"

198.3 mm / 7.81"

Key Specifications

The body comes with a recessed connector bank, avoiding cable connectors jutting out, preventing accidental removal



BV420D



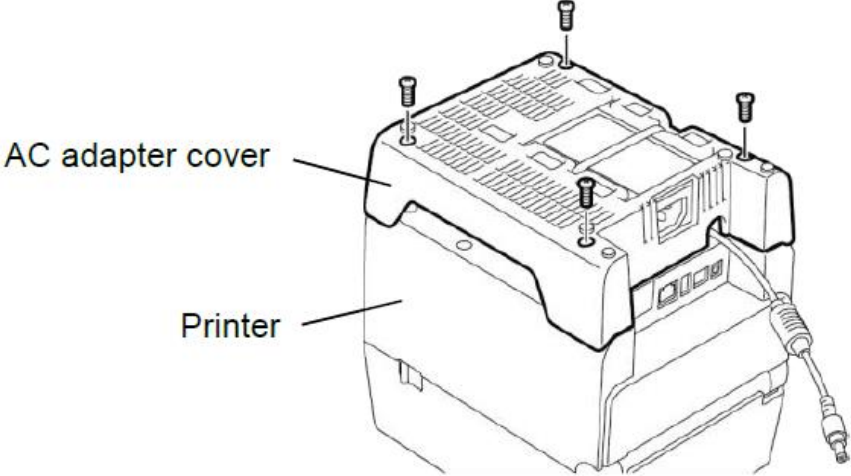
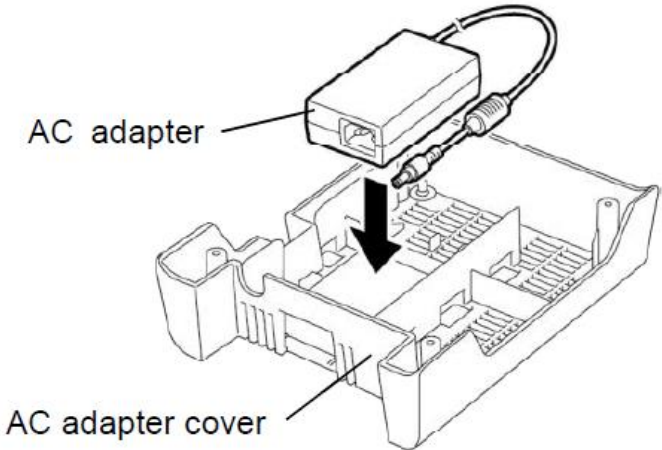
Key Specifications

Built-in AC adapter (with optional AC adapter cover) removes the loose external power supply creating a compact neat work environment

With the optional AC adapter cover, the loose AC adapter can be safely stored in the cover. Body height is taller with the cover, but the footprint is unchanged.

BV914-ACD-QM-S/BV924-ACD-QM-S for BV400D
BV914T-AC-QM-S/BV924T-AC-QM-S for BV400T

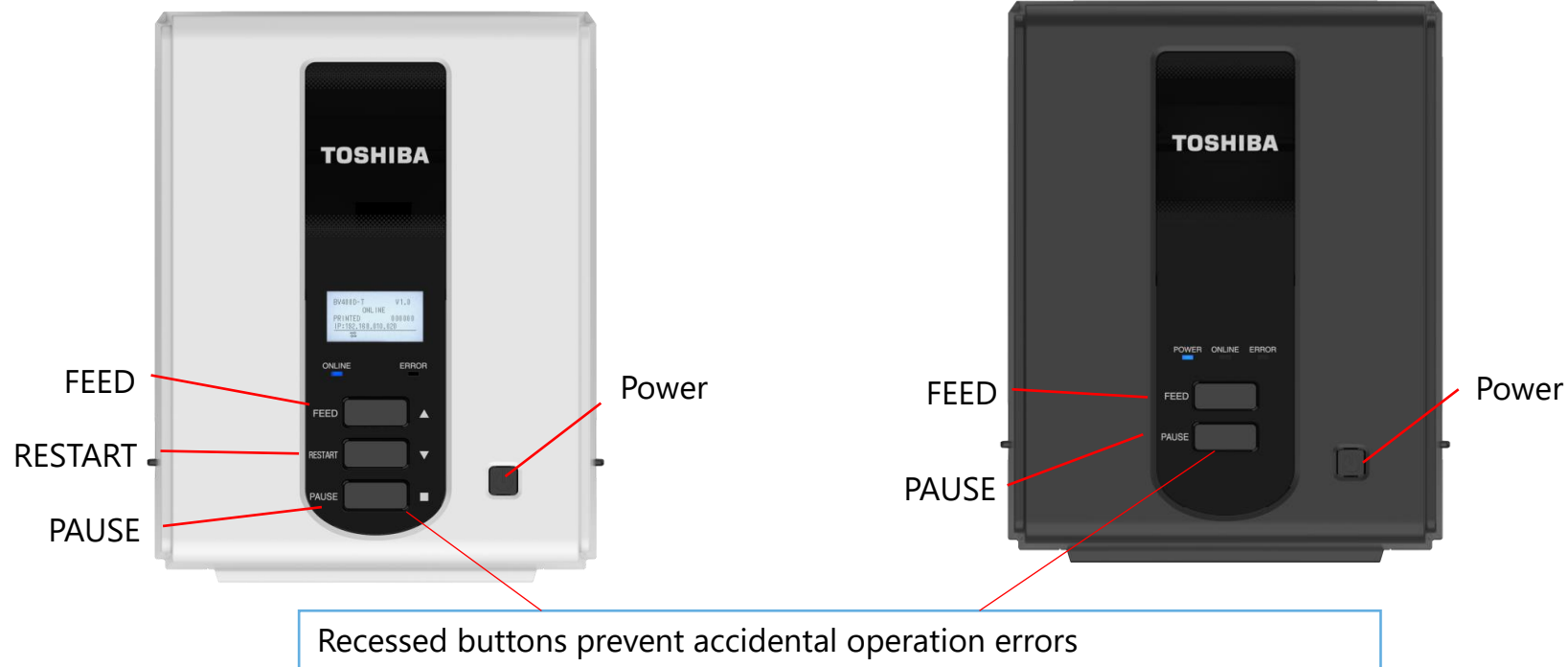
	BV400D/BV400T	B-FV4D/B-FV4T	B-EV4D/B-EV4T
AC adapter cover	Support	Model dependent	Support



Key Specifications

Easy to operate user interface

- Easy to change settings directly on the printer
- Provides clear information for users
- Printer status can be found at one glance via LED lamps
- 13 languages are also now supported in system mode (up from 2 languages English and Japanese) on LCD model



<BV410D-GS02/TS02>
<BV410T-GS02/TS02>

<BV420D-GS02/TS02, BV420D-GL02>
<BV420T-GS02/TS02>

Key Specifications

Easy to operate user interface

13 languages are also now supported in system mode on LCD model

1. English (*default*)
2. German
3. French
4. Dutch
5. Spanish
6. Japanese
7. Italian
8. Portuguese
9. Simplified Chinese
10. Korean
11. Turkish
12. Polish
13. Czech




<BV410D-GS02/TS02>

<BV410T-GS02/TS02>

Key Specifications

Easy to operate user interface





The only printer providing prominent legibility with LCD display panel

	BV410D	BV420D	B-FV4D	B-EV4D
Image				
LED	2 x LED	3 x LED	2 x LED	1 x LED
LCD	Black and White LCD	-	-	-
Key	3 keys Feed, Restart, Pause	2 keys Feed, Pause	1 key Feed	1 key Feed

Key Specifications

Easy to operate user interface

The only printer providing prominent legibility with LCD display panel

	BV410T	BV420T	B-FV4T	B-EV4T
Image				
LED	2 x LED	3 x LED	2 x LED	1 x LED
LCD	Black and White LCD	-	-	-
Key	3 keys Feed, Restart, Pause	2 keys Feed, Pause	1 key Feed	1 key Feed

Key Specifications

BV400D series

BV400T series

Easy to replace the media

Remaining media can be seen at one glance via the transparent window on the top cover (red frame in the photos) .



Window for checking the remaining media

BV410D-GS02/TS02
BV410T-GS02/TS02



BV420D-GS02/TS02
BV420D-GL02
BV420T-GS02/TS02



Easy to replace the media in one step
B-EV4D printers need to replace it with the media guide expanding

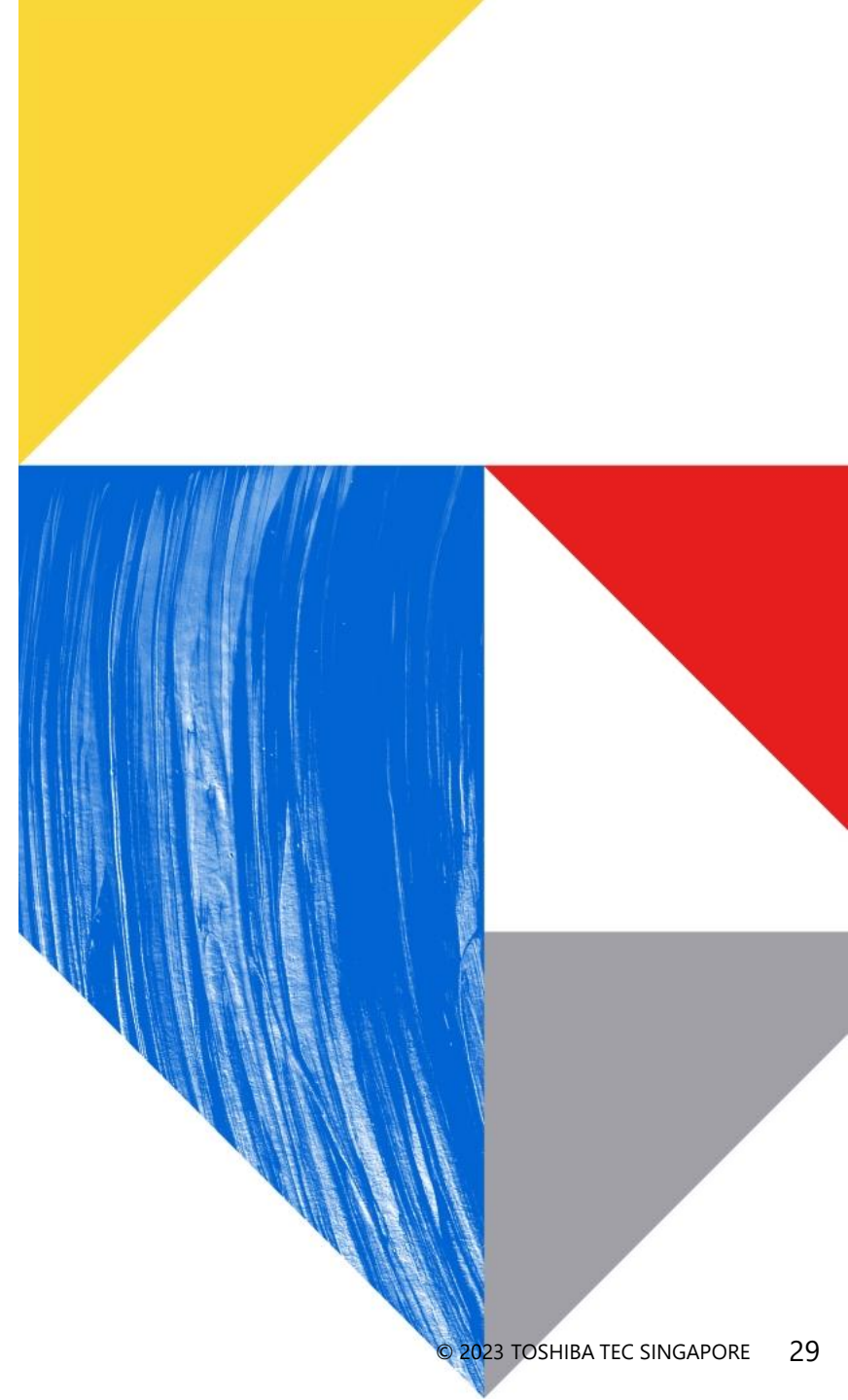


BV400D

In case paper type is changed in BV400T, it must be switched by a lever.

04

Performance



Improved Performance

20% higher throughput with up to 7 ips (203dpi)

- Sharp clear print can be produced with an 8 dots/mm (203 dpi) print head at speeds up to 7 ips or an 11.8 dots/mm (300 dpi) print head at speeds up to 5 ips.
- Higher throughput than the existing models or the competitor models

	BV400D/BV400T	B-FV4D/B-FV4T	B-EV4D/B-EV4T
Max. print speed	7 ips (203 dpi) 5 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	5 ips (203 dpi) 4 ips (300 dpi)

Improved Performance

Benchmark of Batch issue mode, BV400D vs B-FV4D vs B-EV4D

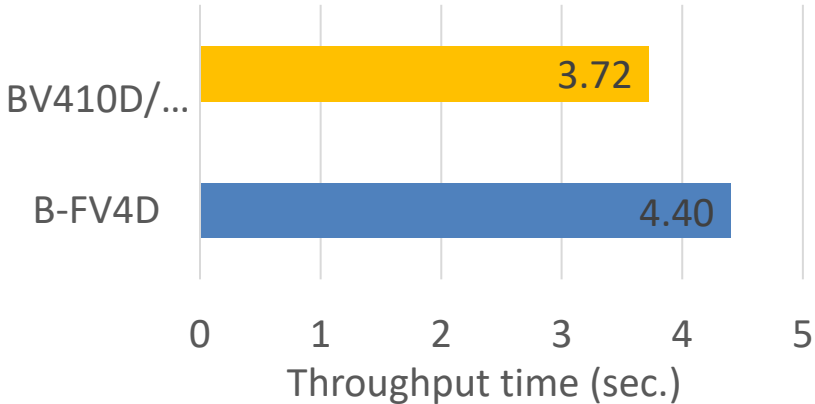
Batch mode(Tear-off) / Print Speed : 6 ips

Model	Throughput time (sec.)
BV410D/420D	3.72
B-FV4D	4.40

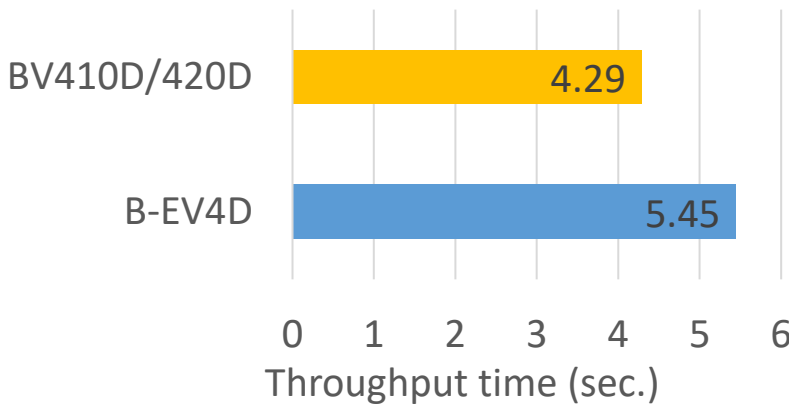
Batch mode(Tear-off) / Print Speed : 5 ips

Model	Throughput time (sec.)
BV410D/420D	4.29
B-EV4D	5.45

TPCL Batch mode(203dpi / 3 copies) 6 ips
Interface: USB



TPCL Batch mode(203dpi / 3 copies) 5 ips
Interface: USB

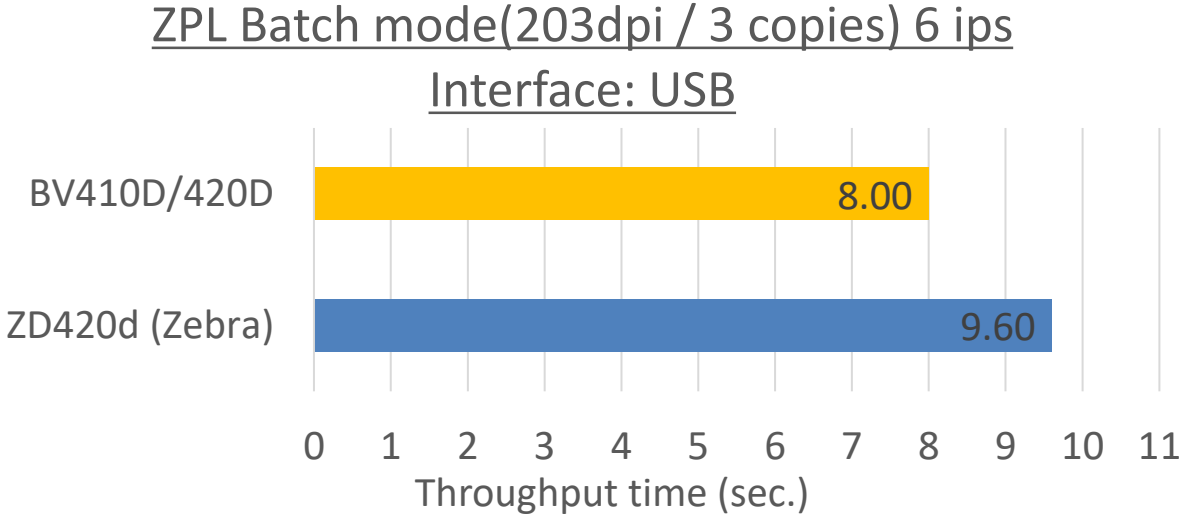


Faster Print Speed

Improved Performance

Benchmark of Batch issue mode, BV400D vs ZD420d(zebra)

ZPL Batch issue Print Speed : 6 ips	
Model	Throughput time (sec.)
BV410D/420D	8.00
ZD420d (Zebra)	9.60

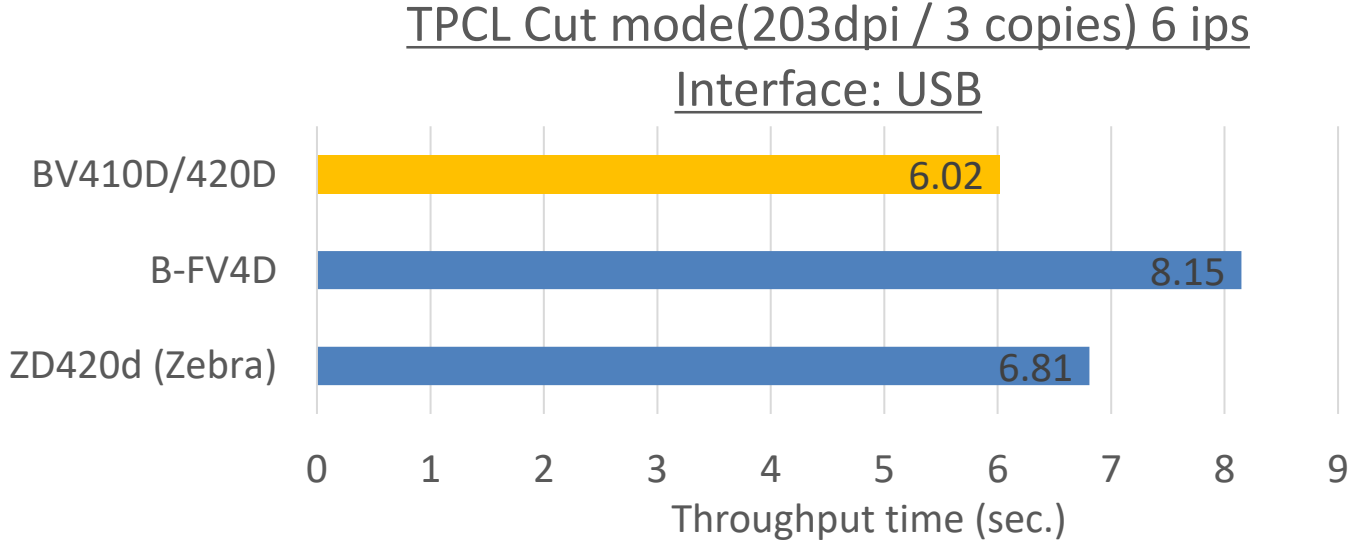


Faster Print Speed

Improved Performance

Benchmark of Cut issue mode, BV400D vs B-FV4D vs ZD420d(Zebra)

Cut mode / Print Speed : 6 ips	
Model	Throughput time (sec.)
BV410D/420D	6.02
B-FV4D	8.15
ZD420d (Zebra)	6.81



Faster Print + Cut Speed

Improved Performance

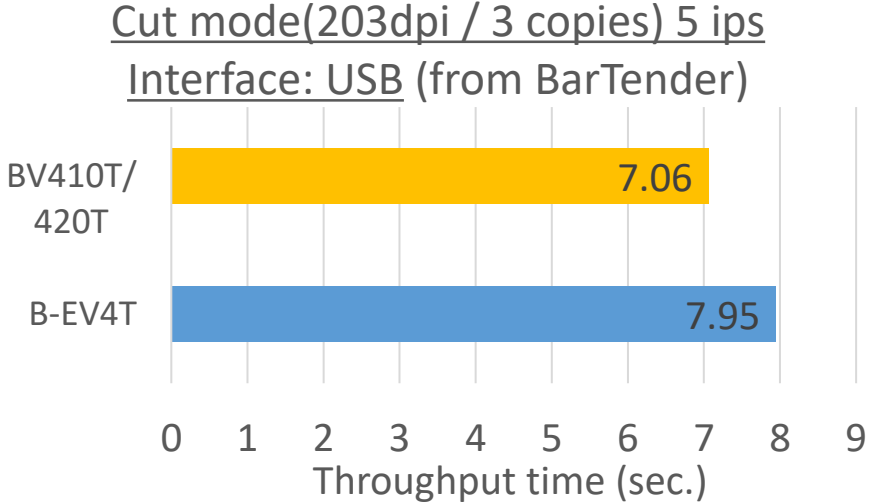
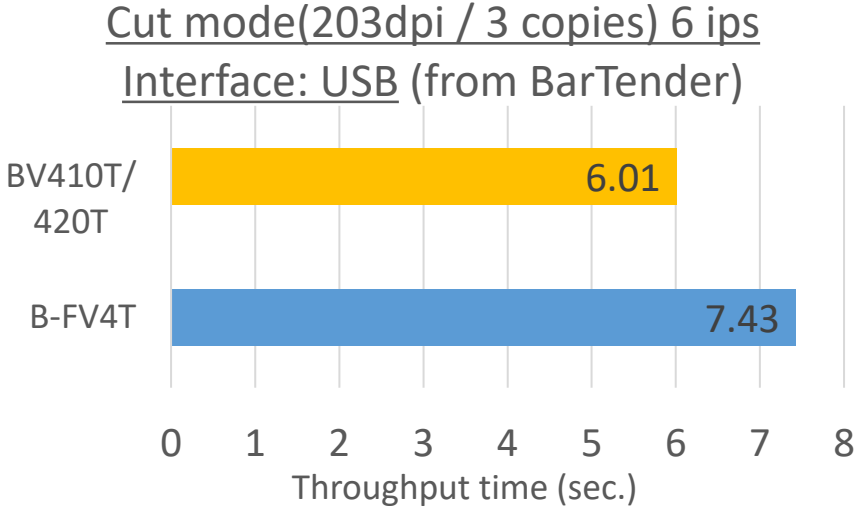
Benchmark of Cut issue mode, BV400T vs B-FV4T vs B-EV4T

Cut mode / Print Speed : 6 ips

Model	Throughput time (sec.)
BV410T/420T	6.01
B-FV4T	7.43

Cut mode / Print Speed : 5 ips

Model	Throughput time (sec.)
BV410T/420T	7.06
B-EV4T	7.95



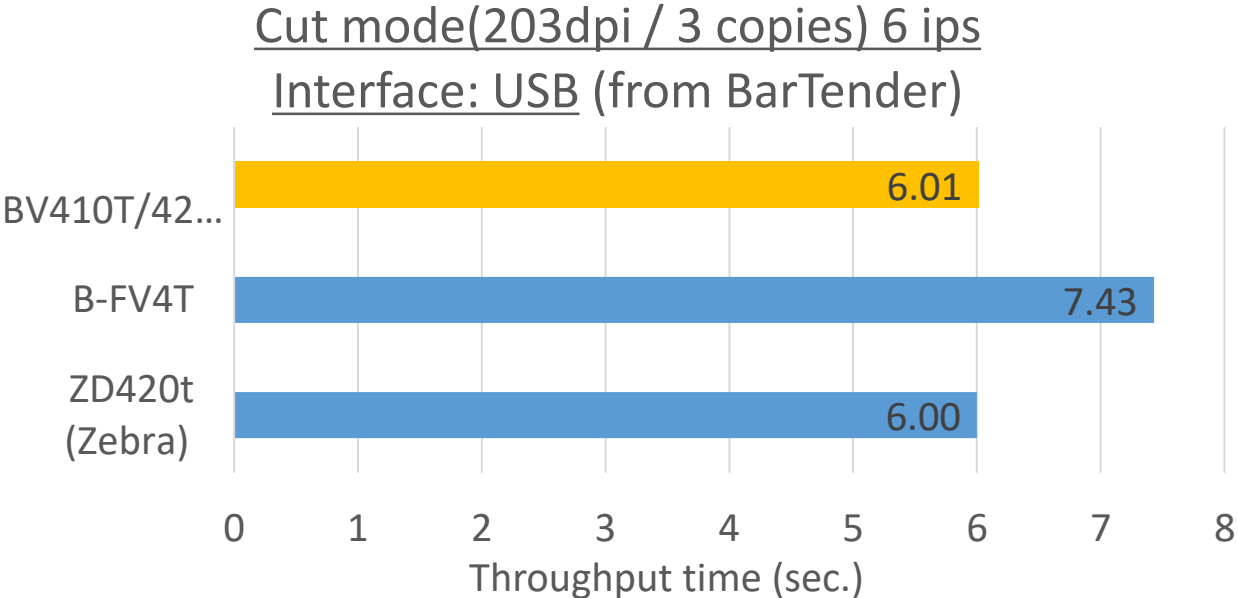
Faster Print + Cut Speed

Improved Performance

Benchmark of Cut issue mode, BV400T vs B-FV4T vs ZD420t(Zebra)

Cut mode / Print Speed : 6 ips

Model	Throughput time (sec.)
BV410T/420T	6.01
B-FV4T	7.43
ZD420t (Zebra)	6.00



Improved Print + Cut Speed

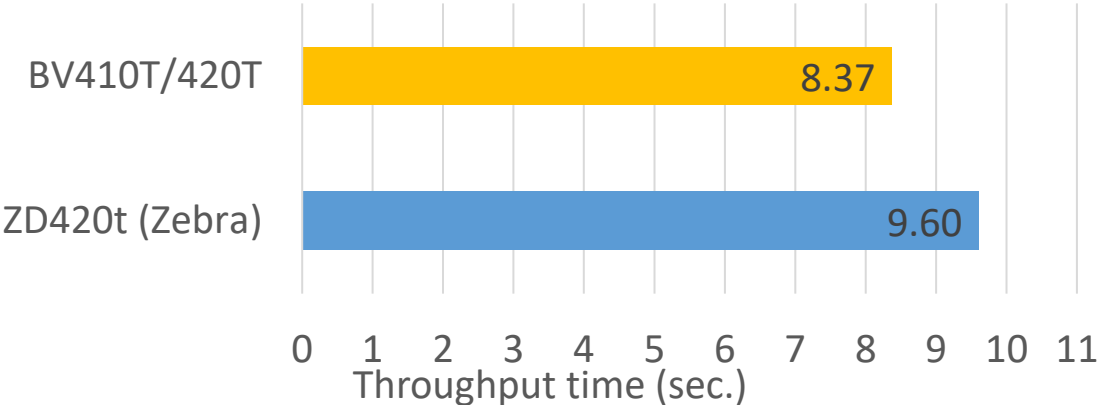
Improved Performance

Benchmark of Batch issue mode, BV400T vs ZD420t(zebra)

ZPL Batch mode(Tear-off) / Print Speed : 6 ips

Model	Throughput time (sec.)
BV410T/420T	8.37
ZD420t (Zebra)	9.60

ZPL Batch mode(203dpi / 3 copies) 6 ips
Interface: USB



Faster Print Speed

Interface

With USB or ethernet ports as standard and WLAN or Bluetooth options covers all work environments

Standard Interface

- USB V2.0 High speed
- LAN (10BASE-T, 100BASE-TX)

Optional Interface

- Bluetooth interface
(Ver.2.1+EDR for BV400D, Ver.5.2(BR/EDR) for BV400T)
- Wireless LAN interface (IEEE802.11a/b/g/n)
- Serial Interface (RS-232C)



1. Power Jack
2. USB Interface for connecting a host computer
3. USB Interface for connecting a USB
4. Ethernet Interface
5. Serial Interface (Optional)

Option

Improved production efficiency

	BV400D Series	BV400T Series
Linerless model	YES	Not Applicable
Cutter Option	YES	YES
Peel-off Option	YES	YES
RFID Option	Not Applicable	YES

Linerless Model

BV420D-GL02-QM-S

- Produce no liner waste
- Save time and cost for waste disposal
- Speed up label application
- Improved production efficiency



Cutter option

BV214-F-QM-S / BV224-F-QM-S

- Improve production efficiency by removing the need to tear off the printed labels



Peel-off option

BV914-H-QM-S / BV924-H-QM-S for BV400D

BV914T-H-QM-S / BV924T-H-QM-S for BV400T

- Improve production efficiency by removing the need to hand separate the printed label from the liner



RFID(UHF band) encoding supported

The BV410T series is the first Toshiba TEC entry class printer that supports RFID and opens a wide-range of new applications and opportunities across multiple markets.

- Supports tags compatible with UHF EPC Gen 2 V2, ISO/IEC 18000-63
- Prints and encodes tags with a minimum pitch of 15.9 mm and a maximum thickness of 0.4mm
- Supports RFID analyze function and optimal parameter setting to encode RFID tag/label by **RFID Analyze Tool**
- Supports MCS(multi-vendor chip-based serialization)
- Supports EAS(Electronic Article Surveillance) function
- Supports in TPCL(TOSHIBA), ZPLII(Zebra), DPL(Datamax) and SBPL(Sato) modes

Supporting multiple emulations, BV400 series can directly replace competitor devices

Simple integration into existing IT systems

<Supported Emulation>

	BV400D/BV400T	B-FV4D/B-FV4T	B-EV4D/B-EV4T
TPCL (TOSHIBA)	✓	✓	✓
ZPL II (Zebra)	✓	✓	✓
EPL 2 (Eltron: Zebra)	✓	✓	✓
DPL (Datamax)	✓	✓	✓
IPL (Intermec)	✓	✓	✓
SBPL (Sato)	✓	n/a	n/a

Existing label formats and applications for competitor’s devices can be used in BV400 series

- Create label printing apps without technical knowledge of specific barcode printer commands
- Enabling system integrator to integrate the label printing process into customer applications

<Supported software development kits>

iOS, Android, Windows, Java

Enable to print via varied OS or servers according to customer environment

- TPCL Printer Drivers for Windows & Windows Server
- Device type & drivers for printing from SAP ERP systems
- CUPS drivers for printing from Linux, UNIX & Mac OSX with model specific settings

Eliminate the set-up time

- With the setting tool common among TOSHIBA TEC barcode printers, parameter setup or printing are easily performed via PC or smart device
- Network connected devices can also use the Web Interface to set parameters or check Status etc.
- Remote printer control from various operating systems
- When used for other TOSHIBA TEC barcode printers, the setting tool can be used for BV400D/BV400T

Connectivity

SOTI Connect supported as Device management via LAN/WLAN

- Remotely monitor the printer status, set the printer parameters and download the printer firmware.
- Status control of the printer fleet
- Consolidated configuration and control of the printers

eCC-MC supported

- Collect print distance which inform from printer using cloud service
- Manage print distance each printer

Easy access to printer and enabling maintenance on the web

- OS independent interface to control the printer via web (Web Utility)

Easy connection (WLAN, Bluetooth as options) according to varied user environment








- Wireless LAN 5GHz support (802.11a/b/g/n)
- Bluetooth V2.1+EDR for BV400D, V5.2(BR/EDR) for BV400T

Key Features





- Compact and Cubic stylish design
- BV410 Series comes with 2 LEDs (ONLINE, ERROR), 3 Keys (FEED, RESTART, PAUSE), and LCD
- BV420 Series comes with 3 LEDs (POWER, ONLINE, ERROR) and 2 Keys (FEED, PAUSE)
- Space-saving body design and storing interface connectors
- High-speed printing (203dpi: 7ips, 300dpi: 5ips)
- Standard interface (USB, LAN)
- Compatible Emulation (ZPL, DPL, EPL, IPL, SBPL) with auto-detection support
- Support extensive middleware for development, setup, and maintenance
- Abundant options
 - ✓ Cutter option
 - ✓ Peel-off option
 - ✓ External Outside media stand
 - ✓ Built-in AC adaptor with optional cover
 - ✓ Enhanced interface options (5GHz WLAN, Bluetooth)
- RFID only for BV400T series
- Support SOTI Connect
- Support eCC-MC

Comparisons

BV400D series

		TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA	Zebra	TSC	Honeywell
Model Name		BV410D	BV420D	B-FV4D	B-EV4D	ZD421d	DA220/DA320	PC43d
Model Image								
Print method		Direct thermal	Direct thermal	Direct thermal	Direct thermal	Direct thermal	Direct thermal	Direct thermal
Resolution		203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi
LCD		Black and White LCD	n/a	n/a	n/a	n/a	n/a	Color LCD
LED, KEY		2 x LED, 3 x Keys	3 x LED, 2 x Keys	2 x LED, 1 x Key	1 x LED, 1 x Key	5 x LED icons, 3 x Keys	1 x LED, 1 x Key	1 x LED, 8 x Keys
Print width (max.)		108 mm	108 mm	108 mm (203 dpi) 105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	104 mm (203 dpi) 108 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	104 mm (203 dpi) 106 mm (300 dpi)
Print length (min. / max.)		6 / 997 mm	6 / 997 mm	6 / 995 mm	6 / 997 mm (203dpi) 6 / 455.2 mm(300dpi)	6.4 / 991 mm	10 / 25,400 mm (203 dpi) 10 / 11,430 mm (300 dpi)	6.35 / 1,727 mm (203 dpi) 6.35 / 900 mm (300 dpi)
Media width (max.)		118 mm	118 mm	118 mm	112 mm	118 mm	114 mm	118 mm
Media roll diameter (max.)		127 mm	127 mm	127 mm Optional: 203.2 mm	127 mm	127 mm	127 mm	127 mm
Print speed (max.)		7 ips (203 dpi) 5 ips (300 dpi)	7 ips (203 dpi) 5 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	5 ips (203 dpi) 4 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	8 ips (203 dpi) 6 ips (300 dpi)
Memory (Std.)		128 MB SDRAM 128 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	32 MB SDRAM 16 MB Flash ROM	8 MB SDRAM 4 MB Flash ROM	256 MB SDRAM 512 MB Flash ROM	64 MB SDRAM 128 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM
I/F	Std.	USB v2.0 High speed, Ethernet	USB v2.0 High speed, Ethernet	USB v2.0 Full speed, Ethernet	USB v2.0 Full speed, Ethernet, RS-232C, Centronics	USB v2.0 High speed, Ethernet	USB v2.0 High speed, Ethernet, RS-232C	USB v2.0 High speed
	Optional	WLAN(11a/b/g/n), Bluetooth(2.1+ EDR), RC- 232C	WLAN(11a/b/g/n), Bluetooth(2.1+ EDR), RC- 232C	WLAN(11b/g/n), Bluetooth(2.1), RS-232C	n/a	WLAN(11ac), Bluetooth(4.1), RS-232C	WLAN(11a/b/g/n), Bluetooth(4.0)	Ethernet, WLAN(11b/g/n), Bluetooth(2.1), RS-232C
Printer Language		TPCL, BCI	TPCL, BCI	TPCL, BCI	TPCL, BCI	ZPL II, EPL2	TSPL	IPL, DP(Direct Protocol)
Emulations		ZPL II, EPL2, DPL, SBPL	ZPL II, EPL2, DPL, SBPL	ZPL II, EPL2, DPL, IPL	ZPL II, EPL2, DPL, IPL	n/a	ZPL II, EPL2	ZPL, EPL, DPL
Middleware ✓: available n/a: Not available	CUPS Driver	✓	✓	n/a	✓	✓	✓	✓
	MDM	✓	✓	n/a	✓	✓	n/a	✓
Power supply		External AC adapter(60W) + Optional Case for Built-in power supply	External AC adapter(60W) + Optional Case for Built-in power supply	External AC adapter(60W)	AC adapter(90W)	External AC adapter(75W) + Optional Built-in power supply	External AC adapter(60W)	External AC adapter(60W)
Size(W x D x H)		170 x 213 x 173 mm	170 x 213 x 173 mm	184 x 226 x 166 mm	198 x 258 x 169.5 mm	177.5 x 220.8 x 150.7 mm	172 x 195 x 165 mm	180 x 215 x 167 mm
Footprint W x D (cm ²)		362	362	416	511	392	335	387
Weight		2.0 kg	2.0 kg	1.8 kg	2.3kg	1.4 kg	1.5 kg	1.7 kg

Advantage vs. B-FV4D, B-EV4D

		TOSHIBA	TOSHIBA	TOSHIBA	TOSHIBA
Model Name		BV410D	BV420D	B-FV4D	B-EV4D
Model Image					
Print method		Direct thermal	Direct thermal	Direct thermal	Direct thermal
Resolution		203 dpi, 300dpi	203 dpi, 300dpi	203 dpi, 300 dpi	203 dpi, 300 dpi
LCD		Black and White LCD	n/a	n/a	n/a
LED, KEY		2 x LED, 3 x Keys	3 x LED, 2 x Keys	2 x LED, 1 x Key	1 x LED, 1 x Key
Print width (max.)		108 mm	108 mm	108 mm (203 dpi) 105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)
Print length (min. / max.)		6 / 997 mm	6 / 997 mm	6 / 995 mm	6 / 997 mm (203 dpi) 6 / 457.2 mm (300 dpi)
Media width (max.)		118 mm	118 mm	118 mm	112 mm
Media roll diameter (max.)		127 mm	127 mm	127 mm	127 mm
Print speed (max.)		7 ips (203 dpi) 5 ips (300 dpi)	7 ips (203 dpi) 5 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	5 ips (203 dpi) 4 ips (300 dpi)
Memory (Std.)		128 MB SDRAM 128 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	32 MB SDRAM 16 MB Flash ROM	8 MB SDRAM 4 MB Flash ROM
I/F	Std.	USB v2.0 High speed, Ethernet	USB, Ethernet	USB, Ethernet	USB, Ethernet, RS-232C, Centronics
	Optional	WLAN(11a/b/g/n), Bluetooth(2.1+ EDR), RC-232C	WLAN(11a/b/g/n), Bluetooth(2.1+ EDR), RC-232C	WLAN(11b/g/n), Bluetooth(2.1), RS-232C	n/a
Printer Language		TPCL, BCI	TPCL, BCI	TPCL, BCI	TPCL, BCI
Emulations		ZPL II, EPL2, DPL, SBPL	ZPL II, EPL2, DPL, SBPL	ZPL II, EPL 2, DPL, IPL	ZPL II, EPL 2, DPL, IPL
Middleware ✓: available n/a: Not available	CUPS Driver	✓	✓	n/a	✓
	MDM	✓	✓	n/a	✓
Power supply		External AC adapter(60W) + Optional Case for Built-in power supply	External AC adapter(60W) + Optional Case for Built-in power supply	External AC adapter(60W)	AC adapter(90W)
Size(W x D x H)		170 x 213 x 173 mm	170 x 213 x 173 mm	184 x 226 x 166 mm	198 x 258 x 169.5 mm
Footprint W x D (cm ²)		362	362	416	511
Weight		2.0 kg	2.0 kg	1.8 kg	2.3kg

Advantage of BV400D

■ Operability

- ✓ LCD model
- ✓ LEDs & Keys
- ✓ Ease of media loading

■ High performance

- ✓ 7ips print speed
- ✓ Large memory size




■ Enhanced Connectivity

- ✓ WLAN 5GHz support as option
- ✓ Bluetooth support as option
- ✓ ZPL II, EPL2, DPL, SBPL support
- ✓ Various middleware support

■ Compact, Small foot print

- ✓ Built-in connector
- ✓ AC adapter cover option
- ✓ Footprint : 382 cm²

Advantage vs. Zebra

		TOSHIBA	TOSHIBA	Zebra
Model Name		BV410D	BV420D	ZD421d
Model Image				
Print method		Direct thermal	Direct thermal	Direct thermal
Resolution		203 dpi, 300dpi	203 dpi, 300dpi	203 dpi, 300dpi
LCD		Black and White LCD	n/a	n/a
LED, KEY		2 x LED, 3 x Keys	3 x LED, 2 x Keys	5 x LED icons, 3 x Keys
Print width (max.)		108 mm	108 mm	104 mm (203 dpi) 108 mm (300 dpi)
Print length (min. / max.)		6 / 997 mm	6 / 997 mm	6.4 / 991 mm
Media width (max.)		118 mm	118 mm	118 mm
Media roll diameter (max.)		127 mm	127 mm	127 mm
Print speed (max.)		7 ips (203 dpi) 5 ips (300 dpi)	7 ips (203 dpi) 5 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)
Memory (Std.)		128 MB SDRAM 128 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	256 MB SDRAM 512 MB Flash ROM
I/F	Std.	USB v2.0 High speed, Ethernet	USB v2.0 High speed, Ethernet	USB v2.0, Ethernet
	Optional	WLAN(11a/b/g/n), Bluetooth(2.1+ EDR), RC-232C	WLAN(11a/b/g/n), Bluetooth(2.1+ EDR), RC-232C	WLAN(11ac), Bluetooth(4.1), RS-232C
Printer Language		TPCL, BCI	TPCL, BCI	ZPL II, EPL 2
Emulations		ZPL II, DPL, SBPL	ZPL II, DPL, SBPL	n/a
Middleware ✓: available n/a: Not available	CUPS Driver	✓	✓	✓
	MDM	✓	✓	✓
Power supply		External AC adapter(60W) + Optional Case for Built-in power supply	External AC adapter(60W) + Optional Case for Built-in power supply	External AC adapter(75W) + Optional Case for Built-in power supply
Size(W x D x H)		170 x 213 x 173 mm	170 x 213 x 173 mm	177.5 x 220.8 x 150.7 mm
Footprint W x D (cm ²)		362	362	392
Weight		2.0 kg	2.0 kg	1.4 kg

Advantage of BV400D

■ Operability

- ✓ LCD model
- ✓ Ease of media loading

■ High performance

- ✓ 7ips print speed

■ Enhanced Connectivity








- ✓ ZPL II, EPL2, DPL, SBPL support
- ✓ Various middleware support

■ Compact, Small foot print

- ✓ Built-in connector
- ✓ Cubic stylish design
- ✓ Footprint : 382 cm²

Comparisons

- Provide 7 ips high-speed printing at 6 ips price range of competitors.
- Match any setting place by I/F connector layout where the connector does not protrude from the back side.
- Support SBPL emulation to compete with SATO models

	TOSHIBA	TOSHIBA	TOSHIBA	Zebra	TSC	Honeywell	SATO
Model Name	BV410T	BV420T	B-FV4T	ZD421t	TE210/TE310	PC43t	WS408/WS412TT
Model Image							
Print method	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer
Resolution	203 dpi, 300 dpi (*1)	203 dpi, 300 dpi (*1)	203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi
LCD	Black and White LCD	n/a	n/a	n/a	n/a	Color LCD	n/a
LED, KEY	2 x LED, 3 x Keys	3 x LED, 2 x Keys	2 x LED, 1 x Key	5 x LED icons, 3 x Keys	5 x LED, 3 x Keys	1 x LED, 8 x Keys	2 x LED icons, 1 x Key
Print width (max.)	108 mm (203 dpi) 105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	104 mm (203 dpi) 108 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	104 mm (203 dpi) 106 mm (300 dpi)	104 mm
Print length (min. / max.)	6 / 997.9 mm	6 / 997.9 mm	6 / 995 mm	6.4 / 991 mm	5 / 25,400 mm (203 dpi) 5 / 11,430 mm (300 dpi)	6.35 / 1,727 mm (203 dpi) 6.35 / 900 mm (300 dpi)	10 / 996 mm
Media width (max.)	118 mm	118 mm	118 mm	118 mm	114 mm	118 mm	118 mm
Media roll diameter (max.)	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm	127 mm
Ribbon length (max.)	300 m	300 m	300 m	300 m	300 m	300 m	300 m
Print speed (max.)	7 ips (203 dpi) 5 ips (300 dpi)	7 ips (203 dpi) 5 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	8 ips (203 dpi) 6 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)
Memory (Std.)	128 MB SDRAM 128 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	32 MB SDRAM 16 MB Flash ROM	256 MB SDRAM 512 MB Flash ROM	64 MB SDRAM 128 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	32 MB SDRAM 16 MB Flash ROM
I/F	Std.	USB v2.0 High speed, Ethernet	USB v2.0 High speed, Ethernet	USB v2.0 Full speed, Ethernet	USB v2.0 High Speed, Ethernet	USB v2.0 High speed, Ethernet	USB v2.0 Full speed, Ethernet
	Optional	WLAN(11a/b/g/n), Bluetooth(5.2(BR/EDR)), RC-232C	WLAN(11a/b/g/n), Bluetooth(5.2(BR/EDR)), RC-232C	WLAN(11b/g/n), Bluetooth(2.1), RC-232C	WLAN(11ac), Bluetooth(4.1), RS-232C	WLAN(11ac), Bluetooth(4.1), RS-232C	WLAN(11b/g/n), Bluetooth(4.0), RS-232C
Printer Language	TPCL, BCI	TPCL, BCI	TPCL, BCI	ZPL II, EPL2	TSPL	IPL, DP(Direct Protocol)	SBPL
Emulations	ZPL II, DPL, EPL2, IPL, SBPL	ZPL II, DPL, EPL2, IPL, SBPL	ZPL II, DPL, EPL2, IPL	n/a	ZPL II, DPL, EPL2	ZPL II, DPL, EPL2	ZPL II, DPL, EPL2, IPL
RFID encoding	Yes (UHF band) (Option)	n/a	n/a	n/a	n/a	Yes (UHF band) (Factory option)	n/a
Middleware ✓: available n/a: Not available	CUPS Driver	✓	n/a	✓	✓	✓	✓
	MDM	✓	✓	n/a	✓	n/a	✓
Power supply	External AC adapter(100W) + Optional Case for Built-in power supply	External AC adapter(100W) + Optional Case for Built-in power supply	External AC adapter(90W)	External AC adapter(75W) + Optional Built-in power supply	External AC adapter(60W)	External AC adapter(60W)	External AC adapter(90W)
Size(W x D x H)	200 x 267 x 198.3 mm	200 x 267 x 198.3 mm	220 x 279 x 182 mm	202 x 267 x 192 mm	204 x 280 x 164 mm	227 x 281 x 182 mm	220 x 279 x 187 mm
Footprint W x D (cm ²)	534	534	614	539	571	638	614
Weight	2.9 kg	2.9 kg	2.4 kg	2.1 kg	2.5 kg	2.7 kg	2.5 kg

Note : *1. Print resolution is changeable with the resolution change kit options (BV704T-TPH2-QM-S/BV704T-TPH2-QM-S).




Advantage vs. B-FV4T, B-EV4T

- **RFID is supported as the optional module only for BV410T series.**
- **General functions are as same as BV400D series except Bluetooth, RFID.**

Model Name		B-EV4T	B-FV4T	BV400T		BV400D(Reference)	
				BV410T	BV420T	BV410D	BV420D
Model Image							
Print method		Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	←	Direct thermal	←
Resolution		203 dpi, 300 dpi	203 dpi, 300 dpi	203 dpi, 300 dpi (*1)	←	203 dpi, 300 dpi	←
LCD		n/a	n/a	Black and White LCD	n/a	Black and White LCD	n/a
LED, KEY		1 x LED, 1 x Key	2 x LED, 1 x Key	2 x LED, 3 x Keys	3 x LED, 2 x Keys	2 x LED, 3 x Keys	3 x LED, 2 x Keys
Print width (max.)		108 mm (203 dpi) 105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	←	←	←
Print length (min. / max.)		6 / 997 mm (203 dpi) 6 / 455.2 mm (300 dpi)	6 / 995 mm	6 / 997.9 mm	6 / 997.9 mm	6 / 997 mm	6 / 997 mm
Media width (max.)		112 mm	118 mm	118 mm	←	←	←
Media roll diameter (max.)		127 mm	127 mm	127 mm	←	←	←
Ribbon length (max.)		110 m	300 m	300 m	←	n/a	←
Print speed (max.)		5 ips (203 dpi) 4 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)	7 ips (203 dpi) 5 ips (300 dpi)	←	←	←
Memory (Std.)		8 MB SDRAM 4 MB Flash ROM	32 MB SDRAM 16 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	←	←	←
I/F	Std.	USB v2.0 Full speed, Ethernet, RS-232C, Centronics	USB v2.0 Full speed, Ethernet	USB v2.0 High speed, Ethernet	←	←	←
	Optional	n/a	WLAN(11b/g/n), Bluetooth(2.1), RC-232C	WLAN(11a/b/g/n), Bluetooth(5.2(BR/EDR)), RC-232C	←	WLAN(11a/b/g/n), Bluetooth(2.1+EDR), RC-232C	←
Printer Language		TPCL, BCI	TPCL, BCI	TPCL, BCI	←	←	←
Emulations		ZPL II, DPL, EPL2, IPL	ZPL II, DPL, EPL2, IPL	ZPL II, DPL, EPL2, IPL, SBPL	←	←	←
RFID encoding		n/a	n/a	Yes (UHF band) (Option)	n/a	←	←
Middleware ✓: available n/a: Not available	CUPS Driver	n/a	n/a	✓	←	←	←
	MDM	n/a	n/a	✓	←	←	←
Power supply		External AC adapter(90W) + Optional Case for Built- in power supply	External AC adapter(90W)	External AC adapter(100W) + Optional Case for Built-in power supply	←	External AC adapter(60W) + Optional Case for Built- in power supply	←
Size(W x D x H)		198 x 258 x 173 mm	220 x 279 x 182 mm	200 x 267 x 198.3 mm	←	170 x 213 x 173 mm	←
Footprint W x D (cm ²)		511	614	534	←	362	←
Weight		2.4 kg	2.4 kg	2.9 kg	←	2.0 kg	←

Note : *1. Print resolution is changeable with the resolution change kit options (BV704T-TPH2-QM-S/BV704T-TPH2-QM-S).

Advantage vs. Zebra

		TOSHIBA	TOSHIBA	Zebra
Model Name		BV410T	BV420T	ZD421t
Model Image				
Print method		Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	Direct thermal /Thermal transfer
Resolution		203 dpi, 300 dpi (*1)	203 dpi, 300 dpi (*1)	203 dpi, 300 dpi
LCD		Black and White LCD	n/a	n/a
LED, KEY		2 x LED, 3 x Keys	3 x LED, 2 x Keys	5 x LED icons, 3 x Keys
Print width (max.)		108 mm (203 dpi) 105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	104 mm (203 dpi) 108 mm (300 dpi)
Print length (min. / max.)		6 mm / 997.9 mm	6 mm / 997.9 mm	6.4 mm / 991 mm
Media width (max.)		118 mm	118 mm	118 mm
Media roll diameter (max.)		127 mm	127 mm	127 mm
Ribbon length (max.)		300 m	300 m	300 m
Print speed (max.)		7 ips (203 dpi) 5 ips (300 dpi)	7 ips (203 dpi) 5 ips (300 dpi)	6 ips (203 dpi) 4 ips (300 dpi)
Memory (Std.)		128 MB SDRAM 128 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	256 MB SDRAM 512 MB Flash ROM
I/F	Std.	USB v2.0 High speed, Ethernet	USB v2.0 High speed, Ethernet	USB v2.0 High speed, Ethernet
	Optional	WLAN(11a/b/g/n), Bluetooth(5.2(BR/EDR)), RC-232C	WLAN(11a/b/g/n), Bluetooth(5.2(BR/EDR)), RC-232C	WLAN(11ac), Bluetooth(4.1), RS-232C
Printer Language		TPCL, BCI	TPCL, BCI	ZPL II, EPL2
Emulations		ZPL II, DPL, EPL2, IPL, SBPL	ZPL II, DPL, EPL2, IPL, SBPL	n/a
RFID encoding		Yes(UHF band /Option)	n/a	n/a
Middleware ✓: available n/a: Not available	CUPS Driver	✓	✓	✓
	MDM	✓	✓	✓
Power supply		External AC adapter(100W) + Optional Case for Built-in power supply	External AC adapter(100W) + Optional Case for Built-in power supply	External AC adapter(75W) + Optional Case for Built-in power supply
Size(W x D x H)		200 x 267 x 198.3 mm	200 x 267 x 198.3 mm	202 x 267 x 192 mm
Footprint W x D (cm ²)		534	534	539
Weight		2.9 kg	2.9 kg	2.1 kg




Advantage of BV400T

- **Operability**
 - ✓ LCD model(BV410T)
 - ✓ Ease of media loading
- **High performance**
 - ✓ 7ips print speed
- **Enhanced Connectivity**
 - ✓ RFID encoding(BV410T)
 - ✓ ZPL II, DPL, EPL2, IPL, SBPL support
 - ✓ Various middleware support
- **Compact, Small foot print**
 - ✓ Built-in connector
 - ✓ Cubic stylish design
 - ✓ Footprint : 534 cm²

Note : *1. Print resolution is changeable with the resolution change kit options (BV704T-TPH2-QM-S/BV704T-TPH2-QM-S).

Advantage vs. B-452

- **RFID is supported as the optional module only for BV410T series.**
- **General functions are as same as BV400D series except Bluetooth, RFID.**

Model Name		B-452-TS22	BV400T	
			BV410T	BV420T
Model Image				
Print method		Direct thermal /Thermal transfer	Direct thermal /Thermal transfer	←
Resolution		300 dpi	203 dpi, 300 dpi (*1)	←
LCD		n/a	Black and White LCD	n/a
LED, KEY		2 x Key	2 x LED, 3 x Keys	3 x LED, 2 x Keys
Print width (max.)		105.7 mm (300 dpi)	108 mm (203 dpi) 105.7 mm (300 dpi)	←
Print length (min. / max.)		15 / 999 mm	6 / 997.9 mm	6 / 997.9 mm
Media width (max.)		114 mm	118 mm	←
Media roll diameter (max.)		152.4 mm	127 mm	←
Ribbon length (max.)		300 m	300 m	←
Print speed (max.)		4 ips (300 dpi)	7 ips (203 dpi) 5 ips (300 dpi)	←
Memory (Std.)		16 MB SDRAM 16 MB Flash ROM	128 MB SDRAM 128 MB Flash ROM	←
I/F	Std.	USB v2.0, Ethernet	USB v2.0 High speed (480 Mbps), Ethernet	←
	Optional	RC-232C, Expansion I/O	WLAN(11a/b/g/n), Bluetooth(5.2(BR/EDR)), RC-232C	←
Printer Language		TPCL, BCI	TPCL, BCI	←
Emulations		n/a	ZPL II, DPL, EPL2, IPL, SBPL	←
RFID encoding		n/a	Yes (UHF band) (Option)	n/a
Middleware ✓: available n/a: Not available	CUPS Driver	n/a	✓	←
	MDM	n/a	✓	←
Power supply		220-240 VAC, 50 Hz	External AC adapter(100W) + Optional Case for Built-in power supply	←
Size(W x D x H)		268 x 198 x 244 mm	200 x 267 x 198.3 mm	←
Footprint W x D (cm ²)		530.64	534	←
Weight		4.7 kg	2.9 kg	←

Note : *1. Print resolution is changeable with the resolution change kit options (BV704T-TPH2-QM-S/BV704T-TPH2-QM-S).

Models

Model name	Product Code	Remarks
BV410D-GS02-QM-S	18221168953	4" DIRECT THERMAL, 203DPI,USB + LAN I/F, WITH LCD PANEL, WHITE COVER
BV410D-TS02-QM-S	18221168954	4" DIRECT THERMAL, 300DPI,USB + LAN I/F, WITH LCD PANEL, WHITE COVER
BV420D-GS02-QM-S	18221168951	4" DIRECT THERMAL, 203DPI,USB + LAN I/F, W/O LCD PANEL, BLACK COVER
BV420D-TS02-QM-S	18221168952	4" DIRECT THERMAL, 300DPI,USB + LAN I/F, W/O LCD PANEL, BLACK COVER
BV420D-GL02-QM-S	18221168957	4" DIRECT THERMAL, 203DPI,USB + LAN I/F, W/O LCD PANEL, WITH CUTTER, BLACK COVER, LINERLESS MODEL

BV410D Series



BV420D Series



BV420D-GL



Product Name	Product Code	Description
BV410T-GS02-QM-S	18221168979	4" 203DPI, BARCODE PRINTER, USB+LAN, WITH LCD, WHITE COVER
BV410T-TS02-QM-S	18221168980	4" 300DPI, BARCODE PRINTER, USB+LAN, WITH LCD, WHITE COVER
BV420T-GS02-QM-S	18221168981	4" 203DPI, BARCODE PRINTER, USB+LAN, W/O LCD, BLACK COVER
BV420T-TS02-QM-S	18221168982	4" 300DPI, BARCODE PRINTER, USB+LAN, W/O LCD, BLACK COVER

BV410T Series



BV420T Series



Options

BV400D series

BV400T series

✓ : Available, N/A : Not available

Product Name	Product Code	Description	BV410T-GS02 BV410T-TS02	BV420T-GS02 BV420T-TS02	BV410D-GS02 BV410D-TS02	BV420D-GS02 BV420D-TS02	BV420D-GL02
BV214-F-QM-S	18221165454	Full Cutter module with White cabinet	✓	✓(*1)	✓	✓(*1)	N/A
BV224-F-QM-S	18221165434	Full Cutter module with Black cabinet	✓(*1)	✓	✓(*1)	✓	N/A
BV214-P-QM-S	18221165455	Partial Cutter module with White cabinet	✓	✓(*1)	✓	✓(*1)	N/A
BV224-P-QM-S	18221165435	Partial Cutter module with Black cabinet	✓(*1)	✓	✓(*1)	✓	N/A
BV914-H-QM-S	18221165457	Peel-off module for BV410D with White cabinet	N/A	N/A	✓	✓(*1)	N/A
BV924-H-QM-S	18221165437	Peel-off module for BV420D with Black cabinet	N/A	N/A	✓(*1)	✓	N/A
BV914T-H-QM-S	18221165465	Peel-off module for BV410T with White cabinet	✓	✓(*1)	N/A	N/A	N/A
BV924T-H-QM-S	18221165466	Peel-off module for BV420T with Black cabinet	✓(*1)	✓	N/A	N/A	N/A
BV914-ACD-QM-S	18221165458	AC Adapter Case for BV410D with White cabinet	N/A	N/A	✓	✓(*1)	✓(*1)
BV924-ACD-QM-S	18221165459	AC Adapter Case for BV420D with Black cabinet	N/A	N/A	✓(*1)	✓	✓
BV914T-AC-QM-S	18221165467	AC Adapter Case for BV410T with White cabinet	✓	✓(*1)	N/A	N/A	N/A
BV924T-AC-QM-S	18221165468	AC Adapter Case for BV420T with Black cabinet	✓(*1)	✓	N/A	N/A	N/A
BV904-PH-QM-S	18221165438	External 8" OD Media Stand with Black cabinet	✓	✓	✓	✓	N/A
BV704T-TPH2-QM-S	18221165474	203 dpi kit for BV410T/BV420T (for resolution change)	✓	✓	N/A	N/A	N/A
BV704T-TPH3-QM-S	18221165475	300 dpi kit for BV410T/BV420T (for resolution change)	✓	✓	N/A	N/A	N/A
BV700-WLAN-QM-S	18221165439	Wireless LAN (802.11a/b/g/n) I/F	✓	✓	✓	✓	✓
BV700-BLTH-QM-S	18221165440	Bluetooth (2.1 + EDR) I/F for BV410D/BV420D	N/A	N/A	✓	✓	✓
BV700T-BLTH-QM-S	18221165469	Bluetooth (5.2(BR/EDR)) I/F for BV410T/BV420T	✓	✓	N/A	N/A	N/A
BV700-RS-QM-S	18221165441	Serial I/F board	✓	✓	✓	✓	✓
BV704T-RFID-U4-US-S	18221165470	RFID(UHF) module for BV410T for N. America, Asia	✓	N/A	N/A	N/A	N/A
BV704T-RFID-U4-EU-S	18221165471	RFID(UHF) module for BV410T for Europe	✓	N/A	N/A	N/A	N/A

Note : *1. Available if cabinet color is acceptable for users.

Middleware & Tools

Item	Remarks
Windows driver	Support the following OS : Windows 10 (32 bit/64 bit), Windows 11, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
CUPS driver	Generic CUPS Driver for macOS Support OS : macOS 12 or later
BCP Setting Tool	Add BV400 series to the supported models of BCP Setting Tool Support languages : Japanese, English, Chinese Support OS : Windows 10 (32 bit/64 bit), Windows 11, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
BCP Setting Tool for Android	Setting parameters in the Setting Tool can be set from the handy terminals. Available I/F : Bluetooth, Wireless LAN Support OS : Android 7, 8, 9, 10
BCP Setting Tool for iOS	Setting parameters in the Setting Tool can be set from the handy terminals. Available I/F : Bluetooth, Wireless LAN Support OS : iOS 13, 14
SNMP Tool	Support the following OS: Windows 10 (32 bit/64 bit), Windows 11, Windows Server 2012, Windows Server 2012 R2, Windows Server 2016, Windows Server 2019
SDK	BCP print for .NET BCP print for iOS BCP print for Android BCP print for Java
System Support	SAP : Add BV400 series to the PVP supported models SVF : Add BV400 series to the SVF supported models AS400 : Support as CAS model Oracle : Support XML
RFID Analyze Tool	Add BV410T series to the supported models of RFID Analyze Tool Support languages : Japanese, English, Chinese Support OS : Windows 10 (32 bit/64 bit)

Compliance Country (Printer only)

Country List	BV410D-GS02-QM-S	BV410D-TS02-QM-S	BV420D-GS02-QM-S	BV420D-TS02-QM-S	BV420D-GL02-QM-S
Bangladesh	YES	YES	YES	YES	YES
Egypt	YES	YES	YES	YES	YES
Hong Kong	YES	YES	YES	YES	YES
Indonesia	YES	YES	YES	YES	YES
India	YES	YES	YES	YES	YES
Israel	YES	YES	YES	YES	YES
South Korea	YES	YES	YES	YES	YES
Malaysia	YES	YES	YES	YES	YES
Philippines	YES	YES	YES	YES	YES
Singapore	YES	YES	YES	YES	YES
South Africa	YES	YES	YES	YES	YES
Thailand	YES	YES	YES	YES	YES
Turkey	YES	YES	YES	YES	YES
Taiwan	YES	YES	YES	YES	YES
Vietnam	YES	YES	YES	YES	YES

Compliance Country (Printer only)

Country List	BV410T-GS02-QM-S	BV410T-TS02-QM-S	BV420T-GS02-QM-S	BV420T-TS02-QM-S
Bangladesh	YES	YES	YES	YES
Egypt	YES	YES	YES	YES
Hong Kong	YES	YES	YES	YES
Indonesia	YES	YES	YES	YES
India	YES	YES	YES	YES
Israel	YES	YES	YES	YES
South Korea	YES	YES	YES	YES
Malaysia	YES	YES	YES	YES
Philippines	YES	YES	YES	YES
Singapore	YES	YES	YES	YES
South Africa	TBC	TBC	TBC	TBC
Thailand	YES	YES	YES	YES
Turkey	YES	YES	YES	YES
Taiwan	YES	YES	YES	YES
Vietnam	YES	YES	YES	YES

Co-Packed Item

	BV400T Series
Unpacking/Set-up instructions	Yes
External AC adapter	Yes
Ribbon core size 1 inch and 0.5 inch spindles	Yes
BarTender 2021 UltraLite Edition R6	Yes (Disty Avenue)

Others information

Description	Remark
Country of Origin	Indonesia
Launch Schedule – Mass Production	Sep 23
Launch Schedule – Sales start	Oct 23
Brochure	Disty Avenue
Video	TBC (Disty Avenue)
Photo	Yes (Disty Avenue)

TOSHIBA