

TOSHIBA

Product Brochure | Desktop Printers

BV400 Series



The Ever-Changing Workplace

Delivering reliability to meet future challenges

Every business is unique. That's why Toshiba offers highly reliable print solutions designed to meet all your labelling requirements, day after day. Toshiba barcode printers provide the connectivity and solutions needed to adapt to the demands of an ever-evolving workplace.

Toshiba's barcode printers deliver on our commitment to collaborate with clients to provide tailored, cost-effective solutions that meet your evolving workplace needs.

A strong combination of excellent design and advanced connectivity

This advanced desktop printer series consists of nine different models, each with a small footprint and intelligent design which brings simplicity and efficiency for the ultimate user experience. Enhanced connectivity features enable these printers to be integrated into a wide range of networks and, thanks to print language emulations, into almost every print scenario. The robustness of the printer series offers high print quality and performance comparable to mid-range printers.

Stylish Design with Outstanding Performance

Designed with the user in mind

A compact footprint was a core design criterion for the BV400 desktop printer range. With its ergonomic styling and sleek casing, these printers are ideal for retail shops, offices or any type of workplace where space is at a premium.

A model to meet every need

With models available in 203 dpi and 300 dpi versions, and in black or white casings, the BV400 series integrates seamlessly into almost any operating environment.

- **BV400T thermal transfer printers** offers optional RFID encoding and supports a wide range of ribbons from wax to resin.
- **BV400D direct thermal printers** combine a compact and stylish design with an increased throughput of up to 7 ips.
- **BV420D-GL linerless printer** uses adhesive labels without any backing paper, reducing waste and helping to keep the working environment safe and clean.



Key highlights

- Market leading throughput with up to 7 ips
- Compact and sleek design with a small footprint
- Intuitive and clear user experience
- Vast print languages and emulations
- RFID encoding available with thermal transfer printers
- SOTI Connect certified for IoT device management



Exceeding Expectations

Ease of use

The integrated LCD screen of the BV410 models provides clear information, while status LEDs change colour to alert users of notifications. Changes can be made to the main settings directly on the printer, and full printer setup is also available via remote connection.

Future-ready operating system

The redesigned operating platform supports multi print emulations, which enable simple integration into complex IT environments. This platform extends the connectivity and adaptability of the BV400 printers to keep pace with the requirements of an ever-changing workplace.

Speed and efficiency

For fast and efficient label printing, the BV400 offers market-leading print speeds of up to 7 inches per second, supported by an advanced CPU for fast processing of data. With its rapid boot-time, the printer is ready to print immediately from power-on.

Solid reliability

Designed for the most demanding retail environments the renowned reliability of these desktop printers support busy operations – day after day. Optional built-in AC adapters help maintain a tidy and safe workplace.

IoT device management

Adding support for SOTI Connect to Toshiba desktop printers enables businesses to manage large printer fleets with ease, overcoming challenges such as remote access for firmware updates and automated rule deployment.

RFID encoding

Toshiba's unique RFID technology is now incorporated into the BV400T desktop printer models, unlocking a wide-range of new applications across multiple markets. With these new options and extensive range of features, the BV400 series offers solutions that are usually reserved for industrial printers only.

Linerless printing

The BV420D-GL linerless printer prints on adhesive labels with no backing paper, reducing waste and keeping the working environment safe and clean:

- Toshiba's true label saving technology automatically shortens the length of the label to use only the material that is printed on. This eliminates material waste and reduces cost.
- With up to 30% more linerless labels per roll, you can increase print time, reduce roll changes and minimise storage requirements.
- Toshiba linerless labels are completely flexible as they can print to any required label length without changing the roll.
- Printing only the necessary length saves paper and resources, and the absence of backing paper means no additional industrial waste.



Specifications BV400T

	BV410T-GS02	BV410T-TS02	BV420T-GS02	BV420T-TS02
Models				
Case	White case		Black case	
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)
General				
Print head	Flat head			
Print method	Thermal transfer, direct thermal			
Dimensions	200 x 267 x 198.3 mm			
Weight	2.9 kg			
Memory	128 MB (FROM), 128 MB (SRAM)			
User interface	2x LED, 3x key, with LCD		3x LED, 2x key	
Operation temperature/ humidity	5° to 40°C (41° to 104°F) / 25 to 85% non-condensing relative humidity (RH)			
Storage temperature/ relative humidity	-40° to 60°C (-40° to 140°F) / 10 to 90% non-condensing relative humidity (RH)			
Power supply	AC 100 to 240 V, 50/60 Hz			
Print				
Sensor	Reflective, transmissive			
Max. print speed	7 ips (177.8 mm/s)	5 ips (127 mm/s)	7 ips (177.8 mm/s)	5 ips (127 mm/s)
Print width	108 mm	105.7 mm	108 mm	105.7 mm
Print length Batch Cut Peel-off	6–997.9 mm 20.4–997.9 mm ¹⁾ 21.4–148.4 mm ¹⁾			
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, POSTNET, RM4SCC, KIX Code, Customer Barcode, GS1 DataBar, USPS Intelligent Mail Barcode			
2D Codes	Data Matrix, PDF 417, MaxiCode, QR Code, Micro PDF 417, Micro QR, GS1 Data Matrix, GS1 QR Code, Aztec Code			
Fonts	Bitmap font, outline font, price font, optional TTF, writable characters			
Ribbon				
Ribbon width	40 to 110 mm			
Ribbon core size	25.4 mm (1”), 12.7 mm (0.5”)			
Max. ribbon length	300 m			
Max. ribbon diameter	65 mm			
Media				
Alignment	Centred			
Backing paper width	25.4 to 118 mm			
Label thickness	0.06 to 0.19 mm			
Inner media core diameter Standard Optional	25.4, 38.1, 42 mm 76.2 mm			
Outer media roll diameter Standard Optional	Max. 127 mm Max. 214 mm			
Media format	Roll, fanfold			

BV410T-GS02

BV410T-TS02

BV420T-GS02

BV420T-TS02

Software & connectivity

Emulation	ZPL II, DPL, SBPL, EPL2, IPL
Printer driver	Windows 11/10, Windows Server 2019/2016/2012 R2/2012, SAP, Linux, macOS
Interface	USB 2.0, USB Host, Ethernet 10/100 Base T (IPv4 & IPv6), WLAN 802.11a/b/g/n (dual band for 2.4 GHz/5GHz) ¹⁾²⁾ Bluetooth V5.2 BR/EDR with MFi certified ¹⁾²⁾ , serial port ¹⁾
Language mode	TPCL, Basic Command Interpreter (BCI)
Label software	BarTender UltraLite, NiceLabel Free
IoT device management	SOTI Connect

Options

UHF RFID kit	✓	✓	—	—
Full cutter module	✓	✓	✓	✓
Partial cutter module	✓	✓	✓	✓
Peel-off module	✓	✓	✓	✓
Serial interface board	✓	✓	✓	✓
Wireless LAN module	✓	✓	✓	✓
Bluetooth module	✓	✓	✓	✓
AC adaptor cover	✓	✓	✓	✓
External media stand	✓	✓	✓	✓
Print head kits for resolution change	✓	✓	✓	✓

¹⁾ Optional²⁾ Availability varies from country to country

Specifications BV400D

Models

	BV410D-GS02	BV410D-TS02	BV420D-GS02	BV420D-TS02	BV420D-GL02
Models					
Case	White case		Black case		Black case linerless
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)	203 dpi (8 dots/mm)

General

Print head	Flat head	
Print method	Direct thermal	
Dimensions	174 x 218 x 173 mm	174 x 288 x 173 mm
Weight	2.0 kg	2.6 kg
Memory	128 MB (FROM), 128 MB (SRAM)	
User interface	2x LED, 3x key, with LCD	3x LED, 2x key
Operation temperature/ humidity	5° to 40°C (41° to 104°F) / 25 to 85% non-condensing relative humidity (RH)	5° to 35°C (41° to 95°F) / 25 to 85% non-condensing RH
Storage temperature/ relative humidity	-20° to 60°C (-40° to 140°F) / 10 to 90% non-condensing relative humidity (RH)	
Power supply	AC 100 to 240 V, 50/60 Hz	

Print

Sensor	Reflective, transmissive				Reflective
Max. print speed	7 ips (177.8 mm/s)	5 ips (127 mm/s)	7 ips (177.8 mm/s)	5 ips (127 mm/s)	7 ips (177.8 mm/s)
Print width	108 mm	105.7 mm	108 mm	105.7 mm	99 mm
Print length	6–997 mm 17.4–997 mm ¹⁾ 21.4–148.2 mm ¹⁾				
Batch					
Cut					
Peel-off					
Barcodes	UPC/EAN/JAN, Code 39, Code 93, Code 128, EAN 128, NW7, MSI, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, POSTNET, RM4SCC, KIX Code, Customer Barcode, GS1 DataBar, USPS Intelligent Mail Barcode				
2D Codes	Data Matrix, PDF 417, MaxiCode, QR Code, Micro PDF 417, Micro QR, GS1 Data Matrix, GS1 QR Code, Aztec Code				
Fonts	Bitmap font, outline font, price font, optional TTF, writable characters				

Media

Alignment	Centred	
Backing paper width	25.4 to 118 mm	32 to 102 mm
Label thickness	0.06 to 0.19 mm	
Inner media core diameter Standard Optional	25.4, 38.1, 42 mm 76.2 mm	38.1 mm
Outer media roll diameter Standard Optional	Max. 127 mm Max. 214 mm	Max. 107 mm
Media format	Roll, fanfold	

BV410D-GS02

BV410D-TS02

BV420D-GS02

BV420T-TS02

BV420D-GL

Software & connectivity

Emulation	ZPL II, DPL, SBPL, EPL2, IPL			
Printer driver	Windows 11/10, Windows Server 2019/2016/2012 R2/2012, SAP, Linux, macOS			
Interface	USB 2.0, USB Host, Ethernet 10/100 Base T (IPv4 & IPv6), WLAN 802.11a/b/g/n (dual band for 2.4 GHz/5GHz) ¹⁾²⁾ Bluetooth V2.1 EDR with MFi certified ¹⁾²⁾ , serial port ¹⁾			
Language mode	TPCL, Basic Command Interpreter (BCI)			
Label software	BarTender UltraLite, NiceLabel Free			
IoT device management	SOTI Connect			

Options

Full cutter module	✓	✓	✓	✓	—
Partial cutter module	✓	✓	✓	✓	—
Peel-off module	✓	✓	✓	✓	—
Serial interface board	✓	✓	✓	✓	✓
Wireless LAN module	✓	✓	✓	✓	✓
Bluetooth module	✓	✓	✓	✓	✓
AC adapter cover	✓	✓	✓	✓	✓
External media stand	✓	✓	✓	✓	—

¹⁾ Optional²⁾ Availability varies from country to country

About Toshiba Tec

Toshiba Tec Corporation is a leading provider of information technology, operating across multiple industries - ranging from retail, education and business services to hospitality and manufacturing. With headquarters in Japan and over 70 subsidiaries worldwide, Toshiba Tec Corporation helps organisations transform the way they create, record, share, manage and display information.

For more information please contact us:

Toshiba Tec Corporation

1-11-1, Osaki, Shinagawa-ku, Tokyo
141-8562, Japan

Website

www.toshibatec.com

