TOSHIBA



BV400 Series

Desktop Printers

- The latest print technology incorporated into a sleek case design for ultimate user experience.
- Powerful and scalable system architecture that future-proves your investment.
- A broad set of standard interfaces and optional Wi-Fi or Bluetooth for effortless integration into even the most complex IT environments.
- Optional UHF RFID encoding available for thermal transfer printer versions.

TOGETHER INFORMATION

The Ever-Changing Workplace

Delivering reliability to meet future challenges

Every business is unique. That's why Toshiba offers the most reliable print solutions that meet all your labelling requirements, day after day. Toshiba barcode printers provide connectivity and solutions to adapt to the needs of an ever-changing workplace.

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

A strong combination of excellent design & advanced connectivity

This most advanced desktop printer series consists of nine different models, all with a small footprint, intelligent design which brings simplicity and efficiency for the ultimate user experience. Enhanced connectivity features enable these printers to be integrated into various 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-ranged printers.

Stylish Design with Outstanding Performance



Designed with the user in mind

A compact footprint was a core criteria in the design of the BV400 desktop printer range. With its ergonomic style and sleek casing these printers suit 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, also available in black or white cabinets, the BV400 series suits to fit into almost any operating environment.

- **BV400D direct thermal printers** with a compact and stylish design and an increased throughput of up to 7 ips.
- **BV420D-GL linerless** prints on adhesive labels with no backing paper, reducing waste and keeping the working environment safe and clean.
- **BV400T thermal transfer printers** enables optional RFID encoding and supports a wide range of ribbons from wax to resin.



Key highlights

- Market leading throughput with up to 7 ips
- Compact & sleek design with a small footprint
- Intuitive & clear user experience
- Vast print languages & 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 and notifications alert the user via the colour change of the status LEDs. Changes can be made to the main settings directly on the printer and full printer setup is also available by remote connection.

Future-ready operating system
The redesigned OS 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 & efficiency
For printing labels quickly and efficiently the BV400 has market leading print speeds of up to 7 inches per second and an advanced CPU for fast processing of data. With it's rapid boot-time the printer is ready to print 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. The optional built-in AC adapters ensure a tidy and safe workplace.

IoT device management
Adding support for SOTI Connect to Toshiba desktop printers enables businesses to trace large printer fleets and overcome printer management 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, opening a wide-range of new applications across multiple markets. With these new options and an extensive range of features, the BV400 series offers solutions that are usually reserved for industrial printers only.

Linerless printing
The BV420D-GL linerless printer can print 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 that material that is printed on. This eliminates material waste and saves money.
- With up to 30% more linerless labels per roll you can increase print time, reduce roll changes and lower storage requirements.
- Toshiba linerless labels are completely flexible as they can print to any length of label required without changing the roll.
- Printing on only the length required saves paper and resources and no backing paper means no additional industrial waste.



Specifications BV400D

Direct Thermal Models

White case	**BV410D-GS02**	**BV410D-TS02**
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)
User interface	2x LED, 3x key, with LCD	2x LED, 3x key, with LCD
Black case	**BV420D-GS02**	**BV420D-TS02**
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)
User interface	3x LED, 2x key	3x LED, 2x key
Black case linerless	**BV420D-GL02**	
Resolution	203 dpi (8 dots/mm)	
User interface	3x LED, 2x key	

General

Print method	Direct thermal	
Print head	Flat head	
Dimensions (W x D x H)	GS02/TS02 174 x 218 x 173 mm	GL02 174 x 288 x 173 mm
Weight	GS02/TS02 2.0 kg	GL02 2.6 kg
Memory	128 MB (FROM), 128 MB (SRAM)	
Operating temperature / humidity	GS02/TS02 5° to 40°C (41° to 104°F) / 25 to 85% non-condensing relative humidity (RH)	GL02 5° to 35°C (41° to 95°F) / 25 to 85% non-condensing relative humidity (RH)
Storage temperature / 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	GS02/TS02 Reflective, transmissive	GL02 Reflective
Max. print speed	GS02/TS02 7 ips (177.8 mm/s)/ 5 ips (127 mm/s)	GL02 7 ips (177.8 mm/s)
Max. print width	GS02/TS02 108 mm/105.7 mm	GL02 99 mm
Print length		
Batch	6-997 mm	
Cut	17.4-997 mm[1]	
Peel-off	21.4-148.2 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	

Media

Alignment	Centred	
Backing paper width	GS02/TS02 25.4 to 118 mm	GL02 32 to 102 mm
Label thickness	0.06 to 0.19 mm	
Inner media core diameter Standard Optional	GS02/TS02 25.4, 38.1, 42 mm 76.2 mm	GL02 38.1 mm
Outer media roll diameter Standard Optional	GS02/TS02 Max. 127 mm Max. 214 mm	GL02 Max. 107 mm
Media format	Roll, fanfold	

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

For BV400D series	Full cutter module[3)], partial cutter module3[)], peel-off module[3)], serial interface board, wireless LAN module, Bluetooth module, AC adapter cover, external media stand[3)]

[1)] Optional
[2)] Availability varies from country to country
[2)] Available for GS02/TS02 models only

BarTender BY SEAGULL SCIENTIFIC

Loftware NiceLabel

SOTI CONNECT

Specifications BV400T

Thermal Transfer Models

White case	**BV410T-GS02**	**BV410T-TS02**
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)
User interface	2x LED, 3x key, with LCD	2x LED, 3x key, with LCD
Black case	**BV420T-GS02**	**BV420T-TS02**
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)
User interface	3x LED, 2x key	3x LED, 2x key

General

Print method	Thermal Transfer, direct thermal
Print head	Flat head
Dimensions (W x D x H)	200 x 267 x 198.3 mm
Weight	2.9 kg
Memory	128 MB (FROM), 128 MB (SRAM)
Operating temperature / humidity	5° to 40°C (41° to 104°F) / 25 to 85% non-condensing relative humidity (RH)
Storage temperature / 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	GS02 7 ips (177.8 mm/s)	TS02 5 ips (127 mm/s)
Max. print width	GS02 108 mm	TS02 105.7 mm
Print length		
Batch	6-997.9 mm	
Cut	20.4-997.9 mm[1]	
Peel-off	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	25.4, 38.1, 42 mm
Optional	76.2 mm
Outer media roll diameter	
Standard	Max. 127 mm
Optional	Max. 214 mm
Media format	Roll, fanfold

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

For BV400T series	UHF RFID kit, full cutter module, partial cutter module, peel-off module, serial interface board, wireless LAN module, Bluetooth module, AC adapter cover, external media stand, print head kits for resolution change

[1)] Optional
[2)] Availability varies from country to country

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SOTI CONNECT

About Toshiba Tec

Toshiba Tec Germany Imaging Systems GmbH is part of the globally operating Toshiba Tec Corporation, active in various high-tech industrial sectors.

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.

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Together Information is Toshiba's vision for how people and organisations create, record, share, manage and display ideas and data.

It is based on our belief that the most successful organisations are those that communicate information in the most efficient way.

We make that possible through an integrated portfolio of industry-specific solutions, all of which reflect Toshiba's commitment to the future of the planet.

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