TOSHIBA

BA410
BA420

Mid-Range Printers

Product Brochure



- The Toshiba BA400 series is the first in the next generation of products launched with an entirely new software platform.
- Built on the renowned mechanical platform of its predecessor, the BA400 series retains all the superb reliability and robustness.
- The new powerful processor further enhances the printer's performance whilst future-proofing your investment.
- Improved connectivity with built-in Bluetooth for easy integration with mobile Android and iOS applications.

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 an ever-changing workplace to maximise your productivity.

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



The Evolution of Barcode Printing

Redefinition of the BA400 series

For over 30 years Toshiba has developed innovative industry leading products. Now with the launch of the BA400 series a new direction is taken in the development of cutting-edge products.

New System platform with advanced connectivity

The BA400 series is the first of a next generation of product that comes with a totally new CPU and OS platform. This platform adds not only performance but extends the connectivity and adaptability of the BA400 series to meet the challenges of an ever-changing workplace.

Applications and environments

The BA400 series' clamshell design for front-loading ensures smooth drop-in media loading, suitable for versatile applications. The BA410 with its metal case is suited for rugged manufacturing environments, whereas the BA420 with its small footprint and plastic case suits workplaces where space is a premium, such as offices or retail shops.

Superior features

The BA400 series comes with a wide range of features and options to meet your individual needs.

- New system platform and processor technology for increased efficiency and productivity.
- Print language emulation ensures compatibility and easy integration into complex IT systems.
- Optional Dual Band Wi-Fi (2.4 GHz/5 GHz) for improved wireless network connectivity.
- NFC pairing for on-demand connections via Bluetooth.

Fit for Future Trends

Enhanced productivity

Printing is a mission critical element of any business. At Toshiba we have improved the BA400's productivity by increasing the maximum print speed to 8 inches per second, a 25% increase on the B-SA4 series. At the same time the renowned reliability eliminates almost any downtime – even in harsh environments.

Future-ready operating system

The redesigned OS platform supports multi print language emulation, which enables simple integration into complex IT environments. This extensible OS architecture ensures it will keep pace even with the latest technology standards and requirements.

RFID encoding

Toshiba's unique RFID technology is now incorporated into our mid-range printer series, opening a wide-range of new applications across multiple markets. Thanks to this future-proof option and many more features, the BA400 series offers solutions that are usually reserved for industrial printers only.

Mobility & connectivity

The new OS platform meets the increasing requirements of mobile operators. By replicating the tools used in the Toshiba mobile printer range, operators can easily use their handheld devices to print to, configure, and control the BA400 series. NFC pairing allows easy on-demand Bluetooth connection. The dual Wi-Fi module option for 2.4 GHz / 5 GHz wireless networks ensures exceptionally broad and reliable connections.

Specifications

Models

Industrial Metal Case	BA410T-GS12	BA410T-TS12
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)
Dimensions (W x D x H)	245 x 414 x 333 mm	245 x 414 x 333 mm
Weight	15 kg	15 kg
Desktop Plastic Case	BA420T-GS12	BA420T-TS12
Resolution	203 dpi (8 dots/mm)	300 dpi (11.8 dots/mm)
Dimensions (W x D x H)	245 x 350 x 332 mm	245 x 350 x 332 mm
Weight	12 kg	12 kg

General

Print Method	Thermal transfer/direct thermal
Printhead	Flat head
Memory	128 MB (FROM), 128 MB (SRAM)
User Interface	LCD screen (graphic 128 x 64 dots), 2x LED, 3x key
Operating Temperature / Humidity	5°-40°C (41°-104°F) / 25-85% non-condensing relative humidity (RH)
Storage Temperature / Humidity	-40°-60°C (-40°-140°F) / 10-90% non-condensing relative humidity (RH)
Power Supply	AC 100-240 V, 50/60 Hz

Print

Sensor	Reflective, transmissive	
Max. Print Speed	203.2 mm/second (8 ips)	
Max. Print Width	GS12	TS12
	104 mm	105.7 mm
Print Length	Direct thermal	Thermal transfer
Batch	6-1,498 mm	11-1,498 mm
Cut	14-1,498 mm	14-1,498 mm
Peel-off	15-1,496 mm	15-1,496 mm
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	
2D Codes	Data Matrix, PDF 417, MaxiCode, QR Code, Micro PDF 417, CP Code, Aztec, GS1 Data Matrix, Micro QR Code	
Fonts	Bitmap font, outline font, price font, TTF, OTF, writable characters	



Ribbon

Ribbon Width	60-110 mm
Ribbon Core Size	25.4 mm (1 inch)
Fixed Core Length	118 mm
Max. Ribbon Length	450 m
Max. Ribbon Diameter	75 mm

Media

Alignment	Centred	
Backing Paper Width	Direct thermal	Thermal transfer
	22-118 mm	22-114 mm
Label Thickness	Direct thermal	Thermal transfer
Batch	0.08-0.17 mm	0.1-0.17 mm
Cut	0.08-0.17 mm	0.1-0.17 mm
Peel-off	0.13-0.17 mm	0.13-0.17 mm
Inner Media Core Diameter	38, 40, 42, 76.2 mm	
Outer Media Roll Diameter	BA410	BA420
	200 mm	152.4 mm
Media Type	Vellum paper and labels, matt coated paper, glossy coated paper, synthetic film, PET film, polyimide	
Media Format	Roll, fanfold	

Software & Connectivity

Emulation	ZPL II, SBPL
Printer Driver	Windows 10/8.1/8/7 (32/64 bit), Windows Server 2016, Windows Server 2012 R2/Server 2012/Server 2008 R2, Linux, SAP
SDK	iOS, Android, Windows, Java
Interface	USB 2.0 HS, Ethernet 10/100 Base T (IPv4 & IPv6), Bluetooth V2.1 EDR with MFi certified, NFC (for Bluetooth pairing), WLAN 802.11a/b/g/n (dual band for 2.4 GHz/5 GHz)[2], parallel port[1], serial port[1], expansion I/O[1]
Language Mode	TPCL, Basic Command Interpreter (BCI)
Label Software	BarTender UltraLite (co-packed)

Options

For BA400 series	Cutter module, peel-off module, serial interface board, Centronics parallel interface, wireless LAN module, UHF RFID kit[2], expansion I/O board, RTC (real time clock)

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

BarTender

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 80 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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